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BULLETIN No. 130-63

HYDROLOGIC DATA: 1963

Volume II: NORTHEASTERN CALIFORNIA

APRIL 1965



HUGO FISHER
Administrator
The Resources Agency

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE
Director
Department of Water Resources

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Appendix A: CLIMATE

HUGO FISHER
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ORGANIZATION OF BULLETIN NO. 130 SERIES

Volume I - NORTH COASTAL AREA

Volume II - NORTHEASTERN CALIFORNIA

Volume III - CENTRAL COASTAL AREA

Volume IV - SAN JOAQUIN VALLEY

Volume V - SOUTHERN CALIFORNIA

Each volume consists of the following:

TEXT and

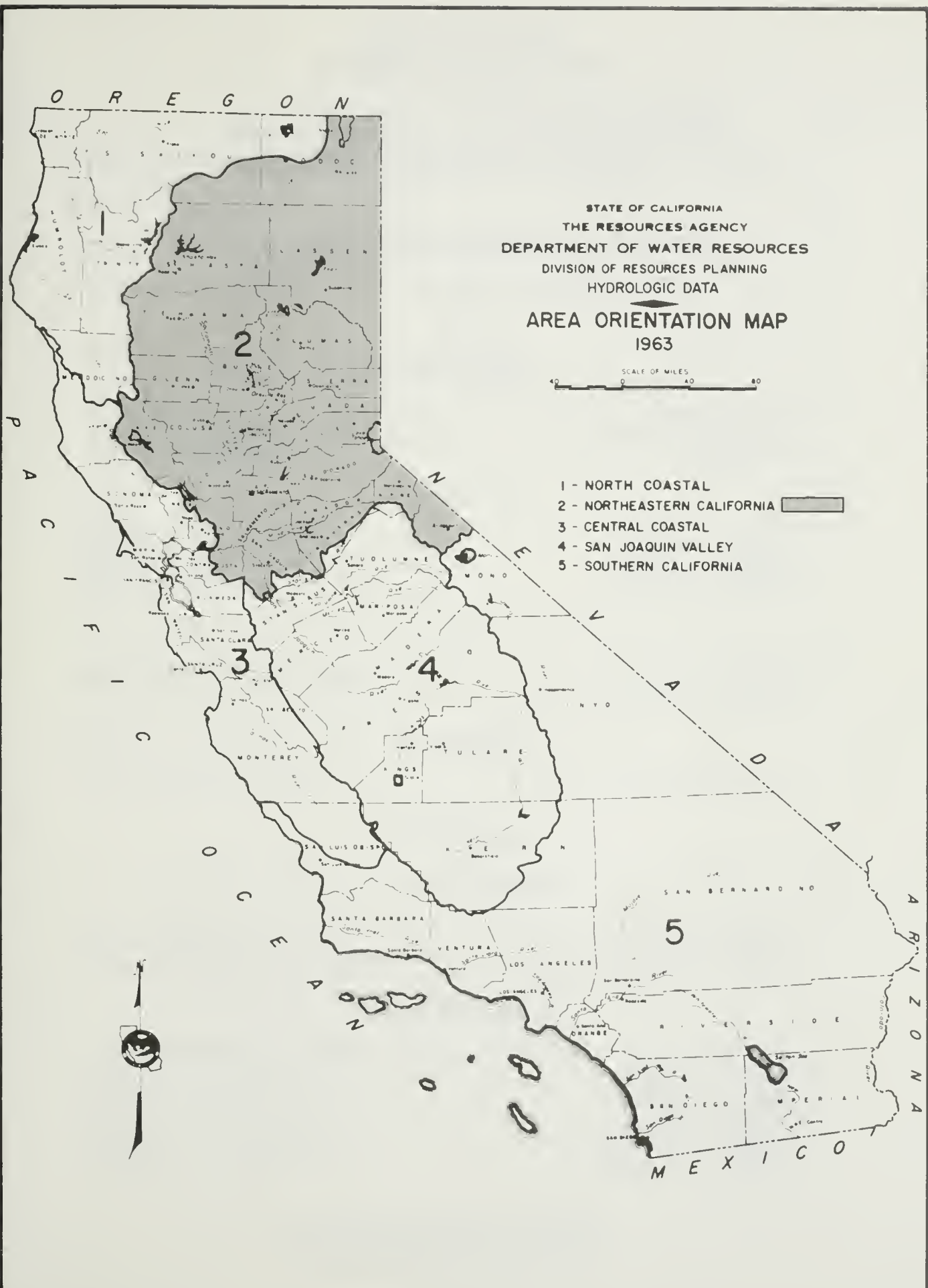
Appendix A - CLIMATE

Appendix B - SURFACE WATER FLOW

Appendix C - GROUND WATER MEASUREMENTS

Appendix D - SURFACE WATER QUALITY

Appendix E - GROUND WATER QUALITY



STATE OF CALIFORNIA
 THE RESOURCES AGENCY
 DEPARTMENT OF WATER RESOURCES
 DIVISION OF RESOURCES PLANNING
 HYDROLOGIC DATA

AREA ORIENTATION MAP
 1963



- 1 - NORTH COASTAL
- 2 - NORTHEASTERN CALIFORNIA
- 3 - CENTRAL COASTAL
- 4 - SAN JOAQUIN VALLEY
- 5 - SOUTHERN CALIFORNIA

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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D SURFACE WATER QUALITY (bound separately)	
E GROUND WATER QUALITY (bound separately)	

DEPARTMENT OF WATER RESOURCES

P.O. BOX 388
SACRAMENTO

Honorable Edmund G. Brown, Governor,
and Members of the Legislature of
the State of California

Gentlemen:

The Bulletin No. 130 series of reports incorporates data on surface water, ground water, and climate previously published annually in Bulletins No. 23, 39, 65, 66, and 77. With the inauguration of the new series, publication of the earlier reports is suspended.

Bulletin No. 130 will be published annually in five volumes, each volume to report hydrologic data for one of five specific reporting areas of the State. The area orientation map on page iii delineates these areas. Page ii outlines the organization of the bulletin, its volumes and appendixes.

This report is Volume II, "Northeastern California". It includes a text which summarizes hydrologic conditions in this part of California during the 1963 water year (October 1, 1962 through September 30, 1963) and two appendixes of detailed hydrologic data: Appendix A, "Climate", and Appendix B, "Surface Water Flow". Appendixes C, D, and E will be published separately.

The collection and publication of data such as is contained in Bulletin No. 130 is authorized by Sections 225, 226, 229, 230, 232, 345, 12609, and 12616 of the Water Code of the State of California.

The basic data programs of the Department of Water Resources have been designed to supplement the activities of other agencies, in order to satisfy specific needs of this State. Bulletin No. 130 is designed to present useful, comprehensive, accurate, timely hydrologic data to the public.

Collection of much of the data presented has been possible only because of the generous assistance of other agencies. I wish especially to acknowledge the help given by agencies whose measurements directly contributed to Bulletin No. 130-63. They are the United States Bureau of Reclamation, Corps of Engineers, Geological Survey, Forest Service, Weather Bureau, Air Force, and Army. They include the Departments of Pomology and Irrigation of the University of California at Davis. They are the California Divisions of Beaches

and Parks, Forestry, and Highways, and the California Department of Fish and Game. And they are the Sacramento County Engineer, the Tehama County Flood Control and Water Conservation District, the Pacific Gas and Electric Company, the East Bay Municipal Utility District, and the Sacramento Municipal Utility District.

Without the data supplied by these people, Bulletin No. 130-63 should have been much less the valuable tool it is today.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "W. J. Shaw", written in dark ink.

Director

CHAPTER I. STATEWIDE HYDROLOGIC CONDITIONS
CALIFORNIA 1962-63

California is an area that is unique in many respects. Its climate has always been exceptional and the range of land forms within the State sets it apart from neighboring areas. California has often been described as being set apart, isolated so to speak, by features that prevail over wide areas adjoining the State. Perhaps it would be more appropriate to consider the State as a link between dissimilar regions rather than isolated by them. California does, in fact, span all the dissimilarities of climate and topography from the arid plateaus of the Great Basin to the marshy tidelands of the Pacific and from the rain forests of the Pacific northwest to the parched plains of the Sonoran Desert.

California climate is fostered by a balance between the slow forces of geology and turbulent storms born of the Pacific Ocean. The massive walls of the Rocky Mountains and the Sierra Nevada protect the State from all but a few thrusts of the dry, cold, polar continental air masses. Maritime air masses, originating far out in the Pacific, receive some impetus and direction from wind patterns of the troposphere and move toward the California coast. California lies in a transition zone between the prevailing westerlies that blow across the north Pacific and a calm high pressure zone, the horse latitudes, in the vicinity of 30 degrees north latitude. The horse latitudes, just south of California, buffer the State from many tropical storms which originate further to the south so that the north coast of California is crossed by

more storms than the south coast. The Sierra Nevada and Cascade Mountains, the eastern border of the great central valley, receive much of their precipitation by orographic lifting of the maritime air masses. Interior lands of Southern California are shielded from maritime air masses by the transverse mountain systems and the southerly extension of the coastal ranges. The water year from October 1, 1962 through September 30, 1963, illustrates the extreme variability of weather conditions that occur in the State.

Average values summing up annual conditions for the whole State show the 1962-63 water year to have been about normal. A closer look at this apparent normality shows a series of extreme conditions which in combination resulted in nearly normal averaged values. Figure 1, showing water year precipitation in percent of normal, indicates that normal annual precipitation amounts were recorded in the latitude of San Luis Obispo and Bakersfield. Recorded annual precipitation south of that latitude ranged to less than 50 percent of normal in the vicinity of San Diego and north of the latitude ranged to greater than 150 percent of normal in the mountains along the northern boundary of the State.

During 1962-63, even these annual precipitation values were composed of extremes. In mid-October a series of storm waves drenched northern California, Oregon, and Washington. Rivers in northern California were at near flood level; and Feather River at Oroville reached the highest October stage of record, inundating construction work at the Oroville Dam site. Southern California stayed dry. A mid-winter drought followed,

setting new records for lack of precipitation and for continuous days of fog in the central valley. Again, Southern California was dry.

The drought was broken by a three day downpour at the end of January. Again, flood conditions prevailed in Northern California and some areas, particularly in the upper Yuba River Basin, suffered from serious floods. Much of Southern California received moderate amounts of rain at this time.

During April, Northern California was covered by a series of storms; precipitation was moderate but continued for almost two weeks. The April rains, along with record late season snowfall during May, largely in the northern Sierras, built up snowpacks and assured a normal water supply during the summer. Southern California gained some precipitation but had a less than normal wet season which extended the dry trend that has prevailed in the southern part of the State since 1941.

Understandably other hydrologic features showed abnormal responses. Streamflows alternated between extreme highs and extreme lows but were about normal during the summer. With the recurring threat of floods, operation of reservoirs was difficult, yet the amount of water stored in reservoirs at the end of the water year was greater than year end storage during most of the preceding years. Still, a greater than usual proportion of winter rain flowed directly to the ocean. In Southern California both surface runoff and reservoir storage were below normal.

Ground water conditions followed the pattern of precipitation. In the northern part of the State, ground water basins

generally increased the amount of water in storage. Due to the distribution of the precipitation, increase of stored ground water was less than it should have been. Throughout the southern district precipitation was well below normal and ground water levels continued to drop.

The 1962-63 season in California was unusual, a condition that is routine for the exceptional climate of the State. The northern part of the State was deluged while the southern area continued dry. In general, hydrologic conditions were about normal for the year except that ground water levels in Southern California continued to decline.

NORTHEASTERN CALIFORNIA HYDROLOGIC
CONDITIONS 1962-63

Northeastern California includes the Sacramento River Basin, the Sacramento-San Joaquin Delta above Collinsville, the northern portion of the Lahontan Region, and the northern portion of the San Joaquin River Basin.

Each of the hydrologic factors covered in this bulletin (climate, surface water, ground water, surface water quality, and ground water quality) are summarized in the following sections.

CLIMATE

Rainfall totals averaged well above normal during the 1962-63 season. The distribution of precipitation during the season, however, was quite erratic. There were two periods of unusually heavy precipitation. The first of these was during October 10-14, 1962, when there occurred the greatest storm ever recorded in northern California in terms of depth of precipitation over a large area. This great storm of October 1962 was centered primarily in the Feather River Basin. It was followed by a period of relatively dry weather which was broken by another high intensity storm near the end of January 1963. On April 1, 1963, the seasonal precipitation was slightly above normal but the snowpack accumulation in the Sierra watersheds averaged only about 30 percent of normal for that date. This subnormal condition was remedied by the cool, steady rains of April and the unseasonal heavy amounts of precipitation in the high elevations in May and June.

In the valley floor areas the following amounts of precipitation and related percentages of normal rainfall were observed during the 1962-63 season:

Station	1962-63 Season	% of Normal
Stockton	19.46 inches	136%
Sacramento	22.28 inches	124%
Davis	27.10 inches	165%
Marysville	27.80 inches	135%
Chico	34.20 inches	131%
Redding	41.38 inches	107%

Corresponding figures for stations in the higher elevations are as follows:

Station	1962-63 Season	% of Normal
Lakeport	34.68 inches	122%
McCloud	63.53 inches	126%
Alturas	17.34 inches	135%
Susanville	24.99 inches	173%
Tahoe City	45.14 inches	146%
Auburn	44.72 inches	127%

At Sacramento the average temperature for the 1962-63 season was 60.5 degrees which is 1.3 degrees below the average annual normal. The average monthly temperatures varied from 6.6 degrees above normal in February 1963 to 6.7 degrees below normal in April. At Redding the average for the season was 1.1 degrees above normal at 64.3 and varied from 7.4 degrees above normal in February to 5.9 degrees below in April. At the Tahoe City station variations from 10.4 degrees above normal in February to 5.8 degrees below in April contributed to an average for the season of 44.1 degrees which was 1.5 degrees above the average annual normal.

Of particular interest during the season was that the average monthly temperature at each of the above three stations was

higher during February than the average during the months of November, December, January, March and April. Numerous stations in the Sacramento Valley reported this to be the warmest February in the records.

SURFACE WATER

The total runoff for the 1962-63 season greatly exceeded the normal for all river basins in the Northeastern California area. This above normal runoff was mostly concentrated in two short periods, October 1962 and January-February 1963, at which time heavy precipitation occurred. Excepting for these two periods, the runoff for the rest of the year was somewhat below normal.

The October storm produced record runoff for that month in most river basins with the greatest concentration in the Feather River Basin.

As a result of the above-normal runoff, reservoir levels for all reported reservoirs were above normal, with Lake Berryessa being the highest, at 150 percent of normal.

Diversions for April, May and June were somewhat below normal for these months, due to the above-normal precipitation.

GROUND WATER

There are 38 ground water measurement subareas in the Northeastern California area. In the ground water areas covered in the northern Central Valley Region, from the spring of 1962 to the spring of 1963, the average ground water level rose in 15 areas and declined in 17 areas. The greatest average rise was 6.0 feet

(in Solano County) while the greatest average decline was 4.6 feet (in High Valley). In the four ground water basins in the Northern Lahontan Region, from the spring of 1962 to the spring of 1963, the ground water level rose in all basins. The greatest average rise was 4.0 feet, in Surprise Valley. The average changes in ground water levels from the spring of 1962 to the spring of 1963 and the maximum and minimum measured depth in each basin are presented in Tables 1 and 3 of Appendix C.

In the major pumping depressions, the ground water level continued to decline, although the rate of decline was slowed during the period of this report. These depressions are located south of Yuba City in Sutter County, northwest of Wheatland in Yuba County, south of Pleasant Grove in Sutter and Placer Counties, west of Elk Grove and west of Galt in Sacramento County, and in the vicinity of Stockton in San Joaquin County.

In the only other major pumping depression, located east of Dixon in Solano County, the ground water level rose between 2 to 3 feet and the western slope of the depression moved slightly eastward, causing the depression to close.

SURFACE WATER QUALITY

Mineral quality of monitored streams and lakes within northeastern California has generally been excellent during the 1962-63 water year. Almost all surface waters were suitable for most beneficial uses with the only exceptions occurring in Lake and western Yolo Counties and certain channels of the Sacramento-San Joaquin Delta.

The trend established over the years of record at the monitoring stations continued, with most constituents falling within the maximum and minimum values of record.

In Lake and western Yolo Counties high boron concentrations frequently caused the waters to be Class 2 and occasionally Class 3 for irrigation use. Class 2 water is classified as good to injurious and Class 3 is injurious to unsatisfactory. Geologic faulting and past volcanic activity are believed to be the cause of boron in the highly mineralized springs in the Clear Lake area.

Channels in the western periphery of the Delta displayed poor quality during periods of low inflow. This change in quality is due in part to sea water incursion and due in part to percolation caused by the high water table and poor quality ground waters known to exist in the area. These conditions have resulted in an increase in mineral concentrations, degrading the waters to Class 2 and occasionally Class 3 for irrigation use. However, during the irrigation season a definite improvement in water quality is noted in most waterways of the delta. This improvement is due to increased releases from Shasta Dam and operation of the Delta Mendota Pumping Plant.

GROUND WATER QUALITY

Variations in water quality were observed in most basins. However, the changes were confined to small areas and individual wells and do not appear to reflect an over-all change in ground water quality conditions.

Ground water basins located in the Sierra-Nevada Mountain

Range within northeastern California are generally of excellent mineral quality and suitable for most beneficial uses. Ground waters in Sierra Valley displayed a wide variation in mineral qualities. Around the periphery of the valley the water is usually of excellent to good mineral quality, while waters of the west central portion of the valley contain high sodium and chloride concentrations. Nitrate values approaching and in excess of 45 parts per million have been observed in several wells in the area. The United States Public Health Service Drinking Water Standards list 45 ppm of nitrates as a recommended maximum.

Ground waters of Kelseyville and Upper Lake Valleys, located in Lake County, are of good to excellent mineral quality with the exception of some moderately to very hard waters. A few scattered wells in the monitored area displayed high boron concentrations; however, water from these wells is not representative of the water found in the alluvium. These wells are included in the monitoring program because the poor quality waters constitute a threat to the ground water quality in this area.

The other areas covered by the ground water quality monitoring program comprise the Sacramento and Lower San Joaquin Valleys. Water quality problems in these valleys are primarily local and the majority of waters are suitable for most beneficial uses. High concentrations of boron exist in portions of San Joaquin and Yolo Counties, although no significant increases were noted during 1963. High chloride concentrations were found in Stockton and the western portion of San Joaquin County and in the area south of Yuba City in Sutter County. Two wells west of Yuba City have historically contained high concentrations of nitrates (81 ppm and 61 ppm in 1963).

CHAPTER II. SUMMARY OF BASIC DATA PROGRAMS

Table 1 presents a summary of the basic data programs in Northeastern California. The table specifies the origin of the programs, the purpose of the program, the authorization, the type of data collected, the frequency of measurements or service, the collector of data, and the number of different types of stations.

Climatological and surface water stations have been established to supplement the basic networks of the U. S. Weather Bureau and the U. S. Geological Survey. Data from these supplemental stations are included in this bulletin. These data are necessary to provide an accurate inventory of climatological and surface water fluctuations throughout the State. Existing federal stations are insufficient for the task. Efforts are continuously being made to improve the network of stations from which data are collected. Inaccessibility of some mountain areas has deterred the establishment of an adequate climatological network. However, efforts are continually being made to fill the gap. Geologic investigation is accelerating the determination of aquifers from which ground water occurs. In addition the ground water grid is continually being revised. Old wells that have been destroyed are removed from the grid and new ones are added. Investigation to differentiate between shallow and deep ground water zones continues.

Surface water diversions are being measured for hydrologic or water right purposes. The number of diversions has recently been greatly reduced and most of the smaller diversions in the upper Sacramento River are proposed to be eliminated from the measurement program in the near future.

SUMMARY OF BASIC DATA PROGRAMS FOR BULLETIN NO. 130-63 IN NORTHEASTERN CALIFORNIA

Activity	Origin	Purpose	Authorization	Type Collected	Collected by	Data	Frequency Measured or Serviced	Number of Stations
Surface Water Quality Monitoring	1951	Objectives of this program are: (1) to determine the quality of the State's surface waters; (2) to detect changes in quality and alert control agencies when adverse changes occur; (3) to determine trends; (4) to record and catalogue the data in a readily available form; and (5) to disseminate the data and information gathered.	Sec. 229 of Water Code	Mineral Mineral (complete mineral semiannually, partial mineral, remaining months) Partial mineral Partial mineral Partial mineral Spectrographic (heavy metals) Radiological Organic Bacteriological	USGS DWR USBR USBR USBR DWR DWR DWR DWR	Daily composite* Monthly Every other month Monthly Quarterly Irregular Annually Semiannually Annually Semiannually Annually Semiannually Monthly Every other month	4 73 16 5 3 6 5 24 14 64 4 5 52 16	
Salinity Measurements in the Delta	1945	To determine salinity in the Delta and the effect of varying hydrologic conditions on water quality as related to the USBR operation of the Central Valley Project.	USBR-DWR Contract Agreements Nos. 460171 and 460206	Specific conductance Chloride	DWR DWR	Twice each month Every four days	2 27	
Ground Water Quality Monitoring	1953	To compile representative ground water quality data to: (1) establish existing ground water bodies in the State; (2) provide for organization and ready dissemination of ground water quality data.	Sec. 229 of Water Code	Complete and partial mineral Heavy Metal Radiological	DWR and co-operators (county farm advisors and county health department) Same Same	Annually Selected intervals Every third year	446 45 124	

* Samples collected daily and composited at approximately ten-day intervals.

SUMMARY OF BASIC DATA PROGRAMS FOR BULLETIN NO. 130-63 IN NORTHEASTERN CALIFORNIA

Activity	Origin	Purpose	Authorization	Type Collected	Collected by	Data	
						Frequency Measured : Or Serviced :	Number of Stations
Climate	1956	To supplement records compiled by the Weather Bureau and to index and file all available data for ready use.	Secs. 228, 12616 of Water Code	Precipitation	Cooperators USWB	Daily	326
				Storage Gages	DWR USWB	Annually	233
Surface Water Flow	1924	To provide an inventory of data on surface water which will be available now and in the future for: (1) forecasting streamflow; (2) planning water development projects; (3) operation of flood control and multiple purpose projects; (4) studying tidal action; and (5) formulation of agreement on water rights without expensive litigation.	Secs. 225, 226 of Water Code	Temperature	Cooperators	Daily	141
				Evaporation	Cooperators USWB	Daily	29
				Wind	USWB	Daily	16
				1. Streamflow	DWR	1. Serviced twice each month, measured monthly	103
				2. Diversions	DWR	2. Visited monthly, measured semiannually	965
Ground Water Measurement	1929	To compile representative ground water data, so that: (1) information will be available for future conjunctive operation; (2) appraisal can be made of drainage and overdraft problems; (3) local interest and cooperation will be stimulated; and (4) planning to develop the potential ground water basins can be facilitated.	Secs. 225, 226, 228, 12622 of Water Code	3. Tidal Stage	DWR	3. Serviced twice each month	37
				4. Drains	DWR	4. Serviced monthly, measured quarterly	11
				5. Stage	DWR	5. Serviced twice each month	21
				Depth to Ground Water	DWR, USBR and co-operators, most of whom are county farm advisors	Key wells measured once a month	267 monthly wells, of which DWR measured 197
						Grid wells measured in spring and fall	1900 grid wells, of which DWR measured 335

State of California
THE RESOURCES AGENCY
Department of Water Resources

BULLETIN No. 130-63

HYDROLOGIC DATA: 1963

Volume II: NORTHEASTERN CALIFORNIA

Appendix A: CLIMATE

APRIL 1965

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PLATES

(Plates are bound at end of Appendix B)

A-1 Climatological Observation Stations 1962-63 (3 sheets)
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CHAPTER I. INTRODUCTION

Precipitation is the only significant source of water supply. All runoff and ground water sources derive their waters ultimately from meteorological sources. Planning for more intense development of our available water resources brings to sharp focus the disposition of precipitation. These studies depend on a solution of the hydrologic equation in which the total water supply as precipitation is equal to total water loss in the forms of surface runoff, consumptive use, percolation to the ground water body, etc.

At several times during the history of California attempts were made to collect all available weather records. The collection of weather data by the State of California dates from the early 1850's when tables were published in the transactions of the California State Agricultural Society. These tables grew to be quite extensive. By 1890 a monthly publication called "Bulletin of the California Weather Service" began to list large amounts of climatological data. This monthly report published by a state agency in 1897 developed into the monthly weather and crop bulletin which is now called "Climatological Data" by the U. S. Weather Bureau. This report grew in scope very slowly until about 1940 when the Corps of Engineers financed the addition of about 350 recording rain gages to the network.

The first summary of all weather records was prepared in 1884 under the guidance of William Ham Hall, the first State Engineer. Further summaries were published by the War Department

in 1890 in a House Executive Document, by the Department of Water Resources in the 1920's, by the U. S. Weather Bureau Bulletin, and by the Department of Water Resources Bulletin No. 1 in 1951. Bulletin No.130-63, of which this report is a part, is the first publication that tabulates climatological data on a statewide basis since publication of Bulletin No. 1.

For many years it has been apparent that the official network of the Weather Bureau was not adequate to supply all of the department's needs for climatological data required for water resources investigations. One of the primary objectives of this data program is to supplement the observation network of the U. S. Weather Bureau.

There are 19 cooperating agencies and 271 individuals contributing data contained in this report. Many of the people have been observers for years, and some individuals have over 40 years of weather records which they have made available to the department.

Scope of Report

The area covered in this report together with the station locations are shown on Plate A-1. This report presents a summary of basic precipitation, temperature and evaporation data from July 1, 1962, to June 30, 1963. All of the data presented here are in a monthly form, except the seasonal storage precipitation gage values which are observed only at yearly intervals. More detailed daily and hourly data are available in the department's files.

All records of precipitation and evaporation of which we have knowledge are summarized in this report. All of the monthly precipitation records from the U. S. Weather Bureau are included in this report, since the Bureau has discontinued publishing a summary of their records on a monthly and seasonal basis. Most of the rain data need is for records summarized in this form. The evaporation records are included in this report to complete the tabulation of all of the evaporation records available to the department.

The temperature data presented here supplements "Climatological Data" which is published by the U. S. Weather Bureau. Records from many types of thermometers using different exposure methods and observation techniques are included. The results of these supplementary temperature records are believed to be within a degree of standard weather bureau type stations. With a great diversity of topography and correspondingly large differences in temperature existing in the report area, and with these relatively small differences due to record quality, it was decided to include a good areal coverage rather than exclude some stations from this report.

Measurement Techniques

One of the long term objectives in this program is to document the location, equipment, and methods of observation in use at all of the weather stations. Many of the records which are included in this summary resulted from the curiosity of

farmers, hobbyists and others who have made records for their own use. Wherever possible we are trying to encourage observers to use the methods which are prescribed by the U. S. Weather Bureau.

Numbering Systems

The numbering system used by the department was developed to facilitate station identification by data processing machines. Station numbers are composed from three components - the drainage basin number, the alpha order number and the subnumber.

Drainage Basin Designation

The State was divided into major hydrographic areas, and each of these areas was assigned an alphabetical letter which is the first digit of the drainage basin number. The second digit was obtained by dividing the major hydrographic areas into stream basins of primary importance and assigning a number of 0-9 with 0 generally being the valley floor.

The major hydrographic areas and the stream basins which are reported in this volume are as follows:

Hydrographic Area A

A0 - Sacramento Valley Floor	A5 - Feather River
A1 - Pit River	A6 - Yuba-Bear Rivers
A2 - Shasta Lake	A7 - American River
A3 - Sacramento Valley West Side	A8 - Cache Creek
A4 - Sacramento Valley Northeast	A9 - Putah Creek

Hydrographic Area B

B0 - San Joaquin Valley Floor	B8 - San Joaquin Valley West Side
B1 - Cosumnes River	
B2 - Mokelumne-Calaveras Rivers	B9 - Sacramento-San Joaquin Delta

Hydrographic Area G

G1 - Surprise Valley
G2 - Madeline Plains
G3 - Eagle Lake
G4 - Susan River
G5 - Smoke River

G6 - Herlong
G7 - Truckee River
G8 - Carson River
G9 - Walker River

Alpha Order Number and Subnumber

The four digit alpha order numbers are assigned each station to denote its order in alphabetical sequence, mainly for machine processing. As the collection of data progressed, it was found necessary to add a subnumber of two digits to the four digit alpha number to maintain the alphabetical order of all station names.

CHAPTER II - CLIMATIC CONDITIONS FOR THE 1962-63 SEASON

Within the area covered by this report there were 605 precipitation gage records during 1962-63 including 233 operated for the U. S. Weather Bureau. All of the monthly precipitation totals are summarized on Table 1, and the records for 47 seasonal storage precipitation gages are shown on Table 2.

Temperature measurements were made at 225 locations during 1962-63. There are records for 141 of these stations summarized on Table 3 and the remaining 84 records are published by the Weather Bureau.

There are observed values for 45 evaporation stations shown on Table 4. The records for 16 of these stations are also available in Weather Bureau publications.

Tables 5 and 6 list some of the record breaking precipitation data totals at certain selected stations for the storms of October 10-14, 1962, and January 29 - February 1, 1963, compared with the maximum of record.

All of the climatological stations for which data are included in this report are alphabetically tabulated on Table 7 with their identification number, location, elevation, period of record and cooperator number.

TABLE 1

PRECIPITATION DATA FOR 1962-63
NORTHEASTERN CALIFORNIA

Station	Precipitation in Inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SACRAMENTO RIVER BASIN													
SACRAMENTO VALLEY FLOOR													
AEROJET	-	-	-	-	9.44	0.31	2.55	2.75	3.58	4.84	6.17	1.28	0.00
ANTELOPE VALLEY	25.21	0.00	0.00	0.30	7.20	0.70	3.20	4.40	2.66	2.55	3.26	0.64	0.30
ARBUCKLE 5 SSW	22.07	0.00	0.00	0.00	4.50	0.50	2.87	5.20	2.10	2.90	2.88	1.12	0.00
ARDEN AND MISSION	24.04	0.00	0.00	0.00	7.34	0.30	1.81	3.50	1.80	4.29	4.07	0.93	0.00
ARDEN PARK BAILEY	27.79	T	0.31	0.05	8.48	0.37	1.98	4.47	2.18	4.72	4.40	0.83	T
BANGOR FIRE STATION	43.43	0.00	0.04	0.18	15.46	1.99	3.55	4.73	2.13	6.77	6.37	2.05	0.16
BEALE AFB	33.68	T	0.00	0.08	11.01	1.01	3.36	4.00	2.26	4.85	5.94	1.03	0.14
BLACK BUTTE RANCH	19.65	0.00	0.08	0.12	2.77	0.92	2.98	2.71	3.96	2.78	2.80	0.53	0.00
BROWNS VALLEY 2 NE	-	-	-	-	-	-	-	3.31	2.10	4.78	6.48	1.11	0.15
CARMICHAEL	26.95	0.04	0.28	0.01	8.26	0.37	2.19	3.37	1.82	4.59	4.45	1.53	0.04
CENTRAL VALLEY BURNS	60.11	0.00	0.81	1.10	11.20	3.79	7.55	4.40	8.46	8.40	10.34	3.79	0.27
CENTRAL VAL HATCHERY	24.35	0.00	0.07	0.00	7.87	0.27	1.81	2.21	3.62	3.61	4.30	0.54	0.05
CHICO EXPERIMENT STA	34.20	0.00	0.04	0.05	9.86	1.57	3.64	3.93	2.90	5.27	5.77	1.08	0.09
CHICO AIRPORT	31.38	0.00	0.00	0.15	8.20	1.53	4.43	3.72	2.37	5.03	5.11	0.77	0.07
CIRCLE T RANCH	34.79	0.00	0.00	0.00	7.72	0.41	3.17	7.50	5.81	4.32	5.27	0.51	0.08
CITRUS HEIGHTS	29.31	0.01	0.27	0.03	9.06	0.81	2.37	4.63	1.43	4.69	4.76	1.25	0.00
CLARKS VALLEY MUDD	19.92	0.00	0.02	0.17	3.84	0.63	1.92	3.32	3.26	3.11	2.65	0.78	0.22
CLUB RANCH	32.35	0.00	0.20	0.28	8.35	1.02	3.43	2.84	2.73	7.09	5.21	1.00	0.20
COLEMAN FISH HATCHERY	24.18	0.00	0.27	0.00	4.12	1.03	3.75	4.06	1.81	2.26	4.89	1.55	0.44
COLUSA 1 SSW	20.92	0.00	0.01	0.02	6.24	0.43	3.00	2.71	2.41	2.16	3.13	0.61	0.20
COON CREEK	-	-	-	-	-	1.05	5.12	3.58	4.06	5.14	6.56	1.53	0.01
COON CREEK EXP PLAT	34.24	0.00	0.14	0.19	12.23	1.07	3.62	3.81	2.10	4.82	5.11	1.15	0.00
CORNING UHL	19.92	0.00	0.01	0.15	2.61	0.60	3.39	2.73	3.51	2.62	3.02	1.13	0.15
CORNING JOBE	21.98	0.00	T	0.14	2.76	0.95	4.12	2.53	4.00	2.98	3.51	0.82	0.17
CORNING HOUGHTON RCH	19.83	0.00	0.13	0.19	2.50	0.99	3.18	2.56	3.80	2.97	2.54	0.90	0.07
COTTONWOOD 7W	48.67	0.00	1.50	0.10	6.50	2.40	6.50	5.20	5.90	9.30	9.00	2.10	0.17
COUNTRY CLUB CENTRE	23.81	T	0.08	0.03	7.03	0.39	1.88	3.43	2.01	4.02	4.18	0.76	T
DAN BEST RANCH	23.62	0.00	0.00	0.03	6.32	0.51	2.23	5.41	2.07	3.16	3.06	0.79	0.04
DANTONI ORCHARD	28.20	0.00	0.00	0.06	10.24	1.01	2.49	3.06	1.96	3.68	4.96	0.73	0.01
DAVIS 1WSW	27.10	0.00	T	0.03	7.93	0.54	2.37	4.87	3.36	3.35	3.91	0.72	0.02
DAVIS STATE NURSERY	27.15	0.00	T	0.00	7.76	0.59	2.11	4.35	3.48	3.28	4.40	1.18	0.00
DAVIS 3 S	30.48	0.00	0.00	0.00	8.41	0.58	2.20	5.50	4.09	3.94	4.94	0.82	0.00
DAVIS 2 WSW	-	-	-	-	-	-	-	-	-	3.46	4.33	0.61	0.01
DAVIS 2 NNW	30.47	0.00	0.00	0.07	9.11	0.59	2.50	5.85	3.36	3.94	4.22	0.73	0.10
DEL PASO PARK	22.89	T	0.26	0.05	7.18	0.42	1.95	2.19	2.54	3.91	4.09	0.30	T
DEWEY AND WINDING WY	32.02	0.00	0.00	0.00	9.66	0.45	2.39	4.85	2.07	5.22	5.34	2.04	0.00
DIXON MORRIS	29.04	0.00	0.00	0.06	7.74	0.47	2.53	4.58	4.37	3.99	4.72	0.58	0.00
DIXON	22.76	0.00	0.00	0.05	7.09	0.35	2.35	3.30	3.11	2.67	3.32	0.52	T
DIXON 6 E	29.45	0.00	T	0.14	7.36	0.65	2.23	4.20	4.45	3.77	5.38	1.27	0.00
DUFOUR	24.01	0.00	0.00	T	6.99	0.38	2.18	5.15	1.89	3.35	3.34	0.65	0.08
DUNNIGAN	22.91	0.00	0.00	0.04	6.22	0.32	2.94	4.68	1.85	3.26	3.03	0.57	T
DUNNIGAN - POWERS	25.20	0.00	0.00	0.00	6.66	0.39	3.06	4.34	2.68	4.06	3.39	0.62	T
ELK GROVE F D	-	-	-	-	-	-	-	1.79	3.82	2.11	3.62	-	-
ELKHORN FERRY	24.68	0.00	0.00	0.20	7.64	0.47	2.28	4.11	2.51	3.05	3.74	0.68	T
ESPARTO PATERSON RCH	25.98	0.00	0.00	T	6.64	0.55	3.11	5.48	2.43	3.23	3.72	0.82	0.00
FAIR OAKS	27.30	0.01	0.11	0.02	5.21	0.40	1.78	4.12	2.35	4.91	6.37	2.02	0.00
FERGUSON RANCH	30.36	0.00	2.11	0.15	4.98	1.49	3.55	3.15	3.49	5.12	4.59	1.34	0.39
FOOTHILL FARMS	26.43	0.00	0.00	0.00	7.80	0.11	2.27	4.58	1.60	4.44	4.37	1.26	0.00
FRUITRIDGE AND HEDGE	24.99	0.00	0.00	0.00	7.92	0.25	1.77	3.86	1.86	4.01	4.41	0.91	0.00
FRUTO 2	-	0.00	0.05	0.15	3.38	0.72	1.73	3.22	2.67	2.80	2.99	-	-
GATES CANYON	57.13	0.00	0.07	0.21	14.59	1.43	4.34	9.38	9.43	6.86	9.15	1.67	0.00
GLENN COLUSA HDGATE	21.65	0.00	0.00	0.27	3.78	0.97	2.68	2.87	3.19	3.04	3.79	1.00	0.06
GRIDLEY BUTTE W D	28.51	0.00	0.04	0.02	9.58	0.78	2.72	2.80	2.92	3.98	5.06	0.61	0.00
GRIDLEY F F S	26.73	0.00	0.05	T	8.86	1.06	2.68	2.83	1.33	4.23	4.92	0.77	0.00
HAZEL & ROEDIGER LANE	29.82	0.00	0.00	0.00	9.21	0.35	2.32	4.16	2.14	5.76	4.80	1.08	0.00
HORSESHOE BAR	-	-	-	0.07	11.14	1.12	2.87	4.56	2.30	4.48	5.68	1.56	0.37
JELLY	28.12	0.00	0.70	0.28	3.97	1.50	4.71	4.04	2.18	2.99	5.03	2.08	0.64
JOHNS SCHOOL	25.28	0.00	0.00	0.00	7.35	0.45	2.92	4.00	3.28	3.23	3.42	0.63	0.00
KAHI RADIO STATION	43.60	0.00	0.20	0.11	16.24	1.24	3.48	5.15	3.26	5.25	6.90	1.77	T
KARNAK	26.30	0.00	0.00	0.08	8.29	0.57	2.39	5.31	1.86	3.50	3.61	0.61	0.08

TABLE 1 (continued)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in inches													
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
SACRAMENTO RIVER BASIN														
SACRAMENTO VALLEY FLOOR														
KIRKVILLE	24.58	0.00	0.05	0.10	7.59	0.44	2.50	4.35	1.92	2.94	3.79	0.85	0.05	
LA FINCA ORCHARD	28.94	0.00	0.00	T	9.13	1.27	2.59	2.90	3.37	4.37	4.85	0.46	0.00	
LAKE SOLANO	30.58	0.00	0.04	0.01	7.60	0.41	2.67	6.88	4.20	4.09	4.06	0.61	0.01	
LAMB VALLEY	28.51	0.00	0.00	0.00	7.28	0.68	2.99	5.03	3.76	4.11	3.83	0.83	0.00	
LINCOLN AUSTIN	29.17	0.00	0.24	0.19	9.45	1.00	3.04	3.81	1.69	4.52	4.12	1.01	0.10	
LINCOLN 6 ENE	28.42	T	0.17	0.25	9.79	1.20	3.00	2.28	2.61	4.41	3.81	0.90	T	
LIVE OAK	-	-	-	-	8.93	-	-	3.57	2.25	4.74	5.67	0.46	0.30	
LIVE OAK 9 SSW	-	0.00	0.05	0.00	7.25	1.05	3.14	2.77	3.22	3.87	-	-	-	
LOMA RICA	-	-	-	-	-	-	-	-	-	5.49	6.22	1.22	0.00	
LOOMIS	31.54	T	0.12	0.02	10.42	1.00	2.50	3.25	3.07	4.34	5.48	1.04	0.30	
LOOMIS 2 NW	32.03	0.00	0.14	0.02	10.87	1.05	2.79	3.34	3.05	3.93	5.48	1.06	0.30	
LOS MOLINOS 7 NNE	23.30	0.00	0.07	0.07	3.95	0.96	3.50	3.85	1.63	2.98	5.02	0.99	0.28	
LOS MOLINOS 1 SE	29.09	0.00	T	0.13	4.04	0.71	3.11	3.70	2.95	3.14	5.52	1.70	0.09	
LOS MOLINOS 3 N	26.67	0.00	0.02	0.13	4.15	1.08	3.43	3.33	3.21	3.27	6.61	1.28	0.16	
M AND T RANCH	27.56	0.00	0.00	0.00	7.05	0.87	5.41	3.12	2.84	3.43	3.89	0.95	0.00	
MARYSVILLE	27.80	0.00	T	0.05	9.31	1.08	2.48	3.50	2.13	3.74	4.71	0.76	0.04	
MATHER A F B	26.08	0.01	0.11	0.01	8.66	0.31	1.97	3.96	2.43	4.57	4.81	1.24	T	
MAXWELL	-	-	-	-	-	-	-	-	2.59	1.94	2.84	-	-	
MC CLELLAN AFB	24.09	T	0.11	0.10	6.62	0.58	2.07	4.79	1.56	3.87	3.10	1.29	T	
MILLS ORCHARD	23.32	0.00	T	0.25	4.54	0.94	3.41	3.29	2.84	3.08	3.89	1.04	0.04	
NATOMAS F S 2	-	-	-	-	-	-	1.96	4.50	1.57	3.05	3.79	0.78	0.00	
NELSON WESTERN CAMP	24.78	0.00	T	0.10	7.17	1.02	3.20	2.30	2.58	2.91	4.60	0.89	0.01	
NEWCASTLE FOWLER	31.04	0.00	0.15	0.15	10.90	1.05	2.71	3.29	2.61	4.61	4.48	1.09	0.00	
NEW ENGLAND ORCHARD	31.46	0.00	0.00	0.00	10.73	0.69	2.88	4.58	1.84	4.75	5.04	0.95	0.00	
NICOLAUS 2	27.32	0.00	0.06	0.18	8.73	1.03	2.53	3.80	2.23	3.33	4.30	0.81	0.32	
NORTH SACRAMENTO	24.93	0.00	0.15	0.23	4.73	0.62	2.01	3.07	3.98	4.23	4.96	0.95	T	
ORANGEVALE BEACH	30.41	0.02	0.28	0.02	9.22	0.47	2.39	4.10	2.02	4.98	5.28	1.63	T	
ORANGEVALE MOIRAO	-	0.06	0.21	0.04	9.20	0.69	2.74	2.73	3.61	5.53	7.65	1.27	-	
ORLAND FRENCH RANCH	16.79	0.00	0.02	0.23	3.09	0.61	2.09	2.70	3.04	2.05	2.46	0.50	T	
ORLAND	21.84	0.00	0.04	0.18	3.72	0.75	3.72	2.74	3.70	2.49	3.87	0.62	0.01	
ORLAND 8 NE	29.15	0.00	0.00	0.08	6.40	0.82	3.42	5.08	3.15	3.88	5.10	1.10	0.12	
ORVILLE	37.54	0.00	0.07	0.04	11.85	1.73	3.28	3.38	3.01	5.24	6.89	1.29	0.76	
ORVILLE BRIDGE	38.39	0.00	0.08	0.06	12.30	1.71	3.24	3.25	3.43	5.30	6.93	1.31	0.78	
ORVILLE R S	-	0.00	0.12	0.07	-	1.64	3.16	3.41	2.64	5.19	5.60	1.11	0.57	
PASKENTA R S	26.60	0.00	1.06	0.25	4.12	1.16	2.30	2.85	4.48	4.58	5.21	0.59	T	
PHELAN PARROTT RANCH	-	-	-	-	-	-	-	2.98	3.13	2.99	4.30	0.81	0.00	
PLAINFIELD 1E	25.39	0.00	0.00	T	7.01	0.45	2.50	4.76	2.71	3.64	3.78	0.54	0.00	
PLAINFIELD 4 NW	29.89	0.00	0.00	0.28	6.95	0.62	2.83	5.55	3.70	4.09	4.87	0.90	0.10	
PLAINFIELD 2NNW	25.97	0.00	0.00	T	7.36	0.38	2.23	5.20	3.72	3.76	2.83	0.48	0.01	
PLAINFIELD 1 NNW	25.10	0.00	0.00	0.00	6.90	0.42	2.56	4.62	3.17	3.54	3.40	0.48	0.01	
PRYOR RANCH	-	-	-	-	-	-	-	-	-	4.95	6.90	-	-	
RANCHO CORDOVA F S	25.42	0.00	0.00	0.00	8.06	0.27	1.83	3.25	1.94	4.44	4.40	1.23	0.00	
RED BLUFF CLARK RNCH	22.39	0.00	0.02	0.15	2.91	0.69	3.87	3.31	2.25	2.36	5.05	1.54	0.24	
RED BLUFF OWENS RNCH	-	0.00	0.74	0.22	2.59	1.11	3.33	3.16	3.06	3.61	-	-	-	
RED BLUFF 8S	22.33	0.00	0.19	0.16	3.02	1.01	4.10	3.53	2.29	2.87	4.20	0.84	0.12	
RED BLUFF WB AP	23.32	0.00	0.15	0.25	3.56	0.90	3.63	3.49	2.28	2.70	4.91	1.30	0.15	
REDDING 1 SE	-	0.00	0.94	0.76	8.38	2.75	5.09	5.54	3.13	5.75	-	1.61	0.10	
REDDING FIRE STN NO2	41.38	0.00	0.70	0.73	8.85	3.14	5.04	4.15	3.27	5.64	8.11	1.58	0.17	
REDDING CLEAR CREEK	37.26	0.00	0.80	0.28	5.86	0.84	4.08	4.08	4.14	5.41	8.60	2.23	0.94	
RIO VISTA 1 NW	20.88	0.00	0.00	0.00	6.30	0.34	1.28	4.10	1.38	3.08	3.78	0.62	0.00	
RIO VISTA 4 NW	19.69	0.00	0.00	0.00	6.09	0.28	1.38	3.01	2.09	2.53	3.73	0.58	0.00	
ROBBINS	26.19	0.00	0.00	0.00	8.16	0.98	2.38	5.25	1.76	3.16	3.45	1.03	0.02	
ROCKLIN	27.32	T	0.15	0.05	9.50	0.90	2.50	2.90	2.90	4.11	3.26	1.05	0.00	
ROCKLIN 1 SE	29.38	0.02	0.10	0.07	10.16	0.93	2.57	3.10	2.56	3.99	4.72	1.16	0.00	
ROSEWOOD CAPEHART	25.30	0.00	1.42	0.10	2.91	1.54	3.21	3.90	3.27	4.03	3.50	1.24	0.18	
SACRAMENTO WB AP	25.21	0.00	0.13	0.06	7.51	0.39	1.84	4.71	2.09	4.25	3.54	0.69	T	
SACRAMENTO WB CITY	22.28	0.00	0.13	0.11	6.85	0.40	1.74	3.65	1.75	3.56	3.43	0.64	0.02	
SACRAMENTO HUFFMAN	-	-	-	-	-	-	-	2.67	3.05	4.81	4.05	0.86	T	
SACRAMENTO 3 SSW	-	-	-	-	-	-	1.66	4.10	3.91	4.45	4.15	0.87	0.00	
SACRAMENTO REFUGE	19.35	0.00	0.00	0.15	3.53	0.33	2.98	2.69	3.17	2.44	3.60	0.40	0.06	

TABLE 1 (Continued)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SACRAMENTO RIVER BASIN													
SACRAMENTO VALLEY FLOOR													
SAINT JOHN	-	0.00	0.00	0.14	4.92	0.99	3.25	3.05	-	-	-	-	-
SMARTSVILLE	36.93	0.00	0.11	0.08	14.84	1.14	3.24	2.92	1.50	4.65	5.78	1.77	0.90
STONE VALLEY	19.21	0.00	0.02	0.14	3.20	0.73	1.84	2.84	3.37	3.19	2.56	1.31	0.01
SUTTER CITY	20.00	0.00	0.03	0.00	5.33	0.47	2.54	2.53	2.34	3.06	3.24	0.46	0.00
SUTTER RANCH	27.11	0.00	T	0.03	9.71	1.00	2.29	3.67	2.08	3.31	4.24	0.68	0.10
TISDALE WEIR	23.03	0.00	0.00	0.00	6.98	0.57	2.66	3.81	1.75	3.21	3.42	0.63	0.00
TISDALE BYPASS	22.52	0.00	0.05	0.00	7.02	0.61	2.57	2.86	2.41	2.91	3.36	0.64	0.09
TWN AND CNTRY-GANSER	27.28	0.01	0.16	0.03	8.21	0.41	2.10	2.90	3.38	4.57	4.58	0.93	T
TOWN AND COUNTRY	26.22	0.00	0.05	0.11	7.58	0.44	1.94	3.20	3.28	4.32	4.52	0.78	T
VACAVILLE	35.38	0.00	0.01	0.01	8.18	0.71	3.39	9.42	2.51	5.26	5.46	0.43	0.00
VACAVILLE 3 NNE	39.73	0.00	T	0.00	8.35	0.75	3.67	7.50	6.07	6.82	5.84	0.53	0.20
VERONA	21.54	0.00	T	0.06	8.48	0.52	2.27	3.05	2.03	2.86	1.51	0.64	0.12
VINA 4 NE	25.46	0.00	0.00	0.35	4.57	0.88	3.47	3.59	2.49	3.35	4.54	2.22	0.00
VINA 1 NE	26.50	0.00	0.00	0.12	5.31	0.89	3.13	3.57	2.56	3.69	4.59	2.47	0.17
VINA MONASTERY	26.85	0.15	0.00	0.15	4.51	0.84	3.33	3.28	3.19	3.66	5.25	2.32	0.17
WERNER RANCH	40.91	T	0.37	0.10	13.12	1.30	3.44	5.60	2.37	6.02	6.43	1.94	0.22
WEST ACRES	28.90	0.00	0.10	0.05	8.79	0.50	1.96	4.57	3.30	4.09	4.47	1.06	0.01
WEST CARMICHAEL	25.83	0.01	0.17	0.02	7.32	0.43	1.99	3.81	2.15	4.59	4.36	0.93	0.05
WHEATLAND 2 NE	27.24	0.00	0.09	0.17	9.38	0.85	2.61	3.40	1.58	3.51	3.86	1.46	0.33
WHEATLAND CALPACK	28.20	0.00	0.00	0.00	10.73	0.90	1.75	3.45	2.44	3.65	4.04	1.03	0.21
WILLIAMS	17.51	0.00	T	0.00	5.07	0.25	2.47	2.86	2.71	1.27	2.48	0.40	T
WILLOWS	19.79	0.00	0.00	0.22	3.80	0.51	2.75	2.57	3.32	2.22	4.04	0.30	0.06
WILLOWS 3W	17.73	0.00	0.00	0.15	3.30	0.46	2.15	3.00	3.10	2.20	3.09	0.28	0.00
WILLOWS 3WNW	16.14	0.00	0.00	0.20	2.54	0.42	2.20	2.55	4.30	0.55	3.13	0.25	0.00
WINTERS	27.55	0.00	0.07	0.01	6.90	0.37	1.31	6.54	3.69	3.72	4.06	0.76	0.12
WINTERS UDELL RCH	32.64	0.00	0.04	T	7.74	0.50	3.02	7.09	4.68	4.06	4.72	0.53	0.26
WINTERS 3 NE	29.85	0.00	0.04	0.05	7.20	0.42	2.72	6.23	4.33	3.85	4.04	0.67	0.30
WINTERS 4 N	33.63	0.00	0.02	0.01	8.25	0.42	4.05	7.15	4.25	4.95	4.03	0.50	0.00
WINTERS WOLFSKILL RCH	30.66	0.00	0.00	0.01	7.51	0.51	2.24	6.77	4.35	4.04	4.49	0.67	0.07
WOODLAND 1 WNW	24.39	0.00	T	T	6.91	0.44	2.16	4.61	2.69	3.47	3.56	0.53	0.02
WOODLAND 1 SSW	28.08	0.00	0.00	T	8.52	0.48	2.38	5.28	3.27	3.63	3.93	0.59	T
WOODLAND HOLLAND RCH	24.21	0.00	0.03	0.15	5.88	0.42	2.45	5.90	2.37	2.89	3.15	0.65	0.32
WOODLAND 3 W	24.33	0.00	T	T	6.61	0.43	2.35	4.39	2.86	3.41	3.49	0.78	0.01
YOLO 2 NE	24.55	0.00	0.00	0.05	6.83	0.55	2.16	5.46	2.11	3.24	3.24	0.86	0.05
YOLO 3 NNE	26.68	0.00	0.00	0.30	8.02	0.42	1.68	6.45	2.31	3.39	3.12	0.99	0.00
YOLO 3 N	24.44	0.00	0.00	0.00	7.60	0.40	2.50	4.31	2.66	2.67	3.31	0.93	0.06
YUBA CITY	27.50	0.00	0.00	0.00	9.10	1.12	2.08	3.39	2.29	3.65	5.11	0.69	0.07
PIT RIVER													
ADIN RS	24.46	0.00	0.04	0.37	9.63	1.68	1.29	1.43	2.24	1.92	3.14	1.83	0.89
ADIN ELZEA RCH	23.61	0.00	0.00	0.52	8.31	1.88	1.48	0.68	2.54	2.05	2.94	2.15	1.06
ADIN- CANNARR	-	-	-	-	-	-	-	-	-	-	3.34	1.51	0.84
ALTURAS 6 SSW	14.70	0.00	0.22	0.00	5.78	1.42	0.64	0.67	1.63	0.69	1.96	1.19	0.50
ALTURAS COPCO	17.92	0.01	0.26	0.10	5.48	1.30	0.88	1.05	1.34	1.39	2.60	2.22	1.29
ALTURAS INSP STN	17.73	T	0.21	0.19	6.11	1.03	0.88	1.23	1.22	1.48	2.04	2.54	0.80
ALTURAS 7 ESE	19.77	0.04	0.08	0.21	6.29	1.48	0.63	0.37	2.03	1.03	3.31	3.11	1.19
ALTURAS RS	17.34	0.03	0.34	0.11	6.17	1.21	0.88	0.60	1.69	1.20	2.72	1.42	0.97
BIEBER	24.16	0.00	0.00	0.25	8.78	1.79	1.55	2.09	1.62	2.18	3.29	1.50	1.11
BIEBER BABCOCK	22.74	0.00	0.00	0.40	8.29	1.99	1.63	0.00	2.05	1.81	4.13	1.72	0.72
BIEBER 4NW	31.74	0.03	0.00	0.43	11.09	2.47	2.94	1.20	3.82	2.33	4.25	2.19	0.99
BIEBER CARY	26.93	T	0.03	0.37	8.77	2.19	1.85	1.95	2.71	1.74	4.42	1.73	1.17
BUCK CREEK R S	29.22	0.00	0.68	0.52	7.78	1.95	1.43	1.20	2.14	1.47	5.46	3.71	2.88
BURNEY	37.57	T	0.08	0.10	10.83	1.90	4.40	2.76	3.85	5.33	5.83	1.77	0.72
CANBY 11 SW	30.00	0.09	0.10	0.15	10.40	1.68	2.23	1.41	3.12	3.88	3.65	2.26	1.03
CANBY RS	21.73	0.05	0.14	0.10	8.98	1.27	1.10	0.95	2.01	2.21	2.12	1.74	1.06
COVE RANCH	-	-	-	-	-	-	-	-	-	-	-	1.99	1.33
DANA 2 SE	38.14	0.03	0.00	0.11	10.31	2.59	3.31	2.31	3.50	6.09	6.12	3.12	0.65
DAVIS CREEK	30.11	0.15	0.40	0.55	7.52	1.34	1.34	1.49	1.67	5.47	4.30	3.90	1.98
DAY	32.11	0.00	0.07	0.24	8.81	2.02	3.21	2.54	2.13	5.00	5.17	1.88	1.04

TABLE 1 (Continued)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in Inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SACRAMENTO RIVER BASIN													
PIT RIVER													
GLENBURN	-	-	-	-	-	-	-	-	-	1.54	1.59	1.17	1.09
GOOSE LAKE WEST	-	0.14	1.09	0.53	6.62	1.34	1.43	-	-	-	-	-	-
MAT CREEK RS	-	0.00	0.28	0.07	9.93	2.41	2.32	3.34	-	4.61	-	1.20	0.55
MAT CREEK PH NO 1	26.61	0.00	0.03	0.06	7.98	1.11	2.25	1.59	2.23	4.35	3.26	3.14	0.61
JESS VALLEY	22.30	T	0.29	0.23	6.17	1.86	0.93	0.63	1.71	1.09	4.02	3.20	2.17
LIKELY VANCE	16.66	0.00	0.31	0.14	6.21	1.20	0.43	0.33	2.10	0.98	2.23	1.66	1.07
LITTLE VALLEY	23.64	0.00	0.23	0.47	8.62	1.50	1.02	0.89	2.20	1.89	3.22	2.20	1.40
LOOKOUT	27.18	0.05	T	0.17	9.51	1.74	1.73	2.34	2.65	3.19	3.37	1.25	1.18
LOOKOUT 6NNE	21.16	0.40	0.13	0.06	6.81	1.31	1.29	0.94	3.09	2.22	2.79	1.31	0.81
LOOKOUT SHAW	28.52	0.82	0.15	0.03	8.31	1.77	1.91	1.48	3.09	3.94	3.94	1.83	1.25
MCARTHUR MAINT STN	26.50	0.16	0.00	0.19	8.28	1.80	1.91	1.99	1.81	3.70	3.86	1.90	0.90
NEW PINE CK OREGON	24.87	0.40	0.41	0.65	6.32	2.22	1.16	1.16	1.53	1.64	3.74	3.44	2.20
OLD STATION	31.01	0.11	0.04	0.17	8.97	2.15	2.19	2.49	2.47	3.39	4.86	1.67	2.50
PIT RIVER PH NO 5	95.21	0.00	0.62	2.13	20.63	5.60	10.51	9.64	8.96	15.28	17.57	3.53	0.74
PITTVILLE 3SE	24.12	0.33	0.38	0.16	8.05	1.86	1.43	1.52	1.89	1.73	3.61	2.35	0.81
PITTVILLE EDWARDS	24.19	0.30	0.00	0.16	7.53	1.67	1.35	1.42	1.57	2.29	3.38	3.80	0.72
POTTER SAWMILL	-	0.05	0.00	0.22	12.34	2.19	-	-	-	-	-	-	-
WILLOW CREEK RANCH	18.26	0.14	0.45	0.58	6.62	1.79	1.14	0.80	1.68	1.15	2.06	1.21	0.64
WILLOW RANCH	10.04	0.04	0.18	0.07	2.22	0.36	0.33	0.19	0.38	0.35	2.48	2.01	1.43
SHASTA LAKE													
CASTLE CRAGS 5 P	96.16	0.03	1.78	1.87	18.84	8.18	10.16	6.32	14.16	12.30	17.12	5.09	0.31
DUNSMUIR R S	71.76	T	1.61	1.17	14.18	6.62	8.17	4.92	10.40	8.67	12.26	3.47	0.29
GIBSON HMS	76.28	T	1.60	1.48	13.07	6.22	7.10	5.44	10.12	9.02	17.34	3.67	1.22
IRON MOUNTAIN NO 2	59.65	0.00	1.30	1.16	9.21	3.60	5.37	5.68	6.72	9.68	12.83	3.51	0.59
LAKESHORE	75.87	0.00	1.17	1.76	16.85	4.82	7.54	7.01	6.77	10.67	16.35	2.03	0.90
MC CLOUD	63.53	T	1.41	1.20	12.57	5.68	6.58	3.56	7.32	9.34	11.06	4.40	0.41
MT SHASTA SKI BOWL	-	T	1.40	0.45	14.33	4.46	8.95	5.00	-	14.23	-	-	-
MOUNT SHASTA CITY	43.27	T	0.81	0.57	9.71	2.98	3.64	4.38	3.74	5.82	7.82	1.94	1.86
SHASTA DAM	60.43	0.00	1.19	1.52	10.92	3.62	6.82	4.00	6.97	9.20	13.99	1.97	0.23
TURNTABLE CREEK	65.73	0.00	0.80	1.70	9.41	3.66	8.91	3.75	7.95	12.15	14.72	2.38	0.30
VOLLMERS	78.07	0.00	1.45	1.87	15.21	6.55	7.37	4.60	9.40	10.58	17.80	2.89	0.35
SACRAMENTO VALLEY WESTSIDE													
BLACK BUTTE DAM	18.83	0.00	0.12	0.15	2.68	0.84	2.57	2.69	3.57	2.85	2.75	0.44	0.17
EAGLE CR	-	-	-	-	-	-	-	-	4.46	4.48	7.40	2.00	0.30
EAST PARK RESERVOIR	21.98	0.00	0.02	0.21	5.48	0.59	1.95	3.61	3.99	2.48	2.76	0.52	0.37
FLOOD RCH	22.21	0.00	0.26	0.29	3.03	0.93	2.37	3.47	3.32	4.23	3.47	0.74	0.10
FLOURNOY 8 NW	29.99	0.00	2.02	0.19	3.57	1.54	2.76	3.25	5.44	4.03	5.96	1.23	T
FRENCH GULCH	43.18	0.00	1.48	1.16	8.13	2.59	4.43	2.69	6.30	5.64	8.48	1.61	0.67
HARRISON GULCH R S	40.77	0.03	1.18	0.60	8.04	3.74	4.13	2.42	8.29	5.37	6.06	0.87	0.04
HUNTER DIST GRAVES	24.65	0.00	0.96	0.19	3.24	1.35	3.01	2.99	3.44	4.94	3.60	0.93	0.00
IGO 2W	57.30	0.00	1.60	0.80	7.20	4.50	8.50	8.30	5.70	3.70	12.40	4.20	0.40
MONTGOMERY PLACE	28.84	0.00	1.28	0.15	4.65	0.77	2.61	3.64	4.85	5.60	4.01	1.28	0.00
ONO	-	0.00	0.78	0.41	6.83	3.41	3.80	2.70	5.88	5.09	7.17	-	-
PLATINA	36.14	T	1.58	0.36	6.65	3.22	3.46	3.33	5.70	4.34	6.40	1.10	T
PLATINA-BURCH	36.67	0.00	1.55	0.35	6.81	3.24	3.59	3.38	5.74	4.42	6.56	1.03	T
STONYFORD COOLEY RCH	69.10	T	0.03	1.00	14.89	2.88	6.26	6.91	13.08	11.44	11.26	1.29	0.06
STONYFORD R S	24.39	0.00	T	0.20	5.87	0.87	2.06	2.45	4.70	3.66	2.75	1.12	0.71
STONYFORD 2SW	26.50	0.20	T	0.17	5.94	0.71	2.51	4.37	4.31	4.14	2.97	0.91	0.27
STONY GORGE RES	21.83	0.00	0.30	0.37	3.08	1.14	2.11	4.27	3.37	2.79	3.09	0.99	0.32
WHISKEYTOWN RESERVOIR	63.56	0.00	1.23	1.06	11.81	4.06	6.30	4.38	8.66	*	23.09	2.37	0.60
SACRAMENTO VALLEY NORTHEAST													
CENTERVILLE POWER H	54.17	0.00	0.43	0.17	16.66	2.58	5.42	6.36	3.14	8.47	9.38	1.25	0.31
COMASSET 2 NNE	70.00	0.00	0.24	0.31	19.37	4.74	8.48	7.23	5.61	7.40	12.96	3.33	0.33
JALLES	24.09	0.00	0.03	0.29	3.92	1.57	3.45	3.52	1.64	2.75	5.26	1.16	0.50
DARRAH FISH HATCHERY	26.81	0.00	0.00	0.28	4.88	1.55	4.54	3.54	2.32	2.01	5.55	1.67	0.47
DEER CREEK	-	-	-	-	-	-	-	-	-	-	-	-	-
DE SABLE	81.59	0.00	0.42	0.39	24.15	4.88	9.43	9.38	4.05	11.75	14.10	2.51	0.53
KILARC PH	53.46	0.00	0.36	0.32	14.35	3.45	6.89	3.53	3.94	5.44	10.37	4.16	0.65
MANTON 1 E	34.04	0.00	0.36	0.45	6.76	2.73	5.05	4.01	2.03	3.53	6.58	2.00	0.54
MANTON 6 E	41.94	0.00	0.57	0.56	9.14	2.46	4.60	3.46	3.02	4.90	10.24	2.39	0.60
MANZANITA LAKE	55.45	0.16	0.27	0.75	14.76	4.24	4.49	2.05	5.16	5.42	10.78	5.09	2.28

TABLE 1 (Continued)
PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SACRAMENTO RIVER BASIN													
SACRAMENTO VALLEY NORTHEAST													
MINERAL	73.70	0.00	0.31	0.68	23.44	4.35	9.27	5.72	5.62	6.67	13.77	2.28	1.53
PALO CEDRO 2N	-	-	-	-	-	-	-	-	-	4.82	7.58	0.85	0.20
PARADISE	65.60	0.00	0.40	0.27	19.00	3.80	8.51	5.80	5.04	9.13	11.42	2.00	0.23
PAYNES CREEK	-	0.00	0.34	0.31	10.27	1.87	5.21	3.49	2.23	3.36	-	1.86	0.46
VOLTA PH	34.03	0.00	0.38	0.48	6.14	2.61	5.18	4.34	2.31	3.18	6.85	2.06	0.50
FEATHER RIVER													
BECKWORTH	28.68	0.13	0.36	0.12	7.92	0.81	1.70	3.57	3.16	3.07	5.00	1.29	1.55
BRUSH CREEK R S	85.91	0.00	0.29	0.42	26.06	4.50	10.91	7.87	8.05	9.70	14.92	2.22	1.03
BUCKS CREEK PH	93.50	0.00	0.34	0.43	30.14	4.57	9.11	7.50	8.60	12.40	17.90	1.74	0.77
BUCKS LAKE	-	0.00	1.01	0.69	-	4.92	10.25	-	-	-	-	2.54	1.08
BUCKS STORAGE RES	79.55	0.00	0.47	0.55	17.85	4.22	6.31	13.95	10.89	11.28	11.46	1.85	0.72
CANYON DAM	50.30	0.00	0.39	0.08	14.47	3.21	3.87	5.04	3.55	7.04	9.46	2.27	0.92
CARIBOU PH	52.82	0.18	0.30	0.17	15.04	3.26	5.20	5.05	3.99	7.31	8.81	1.58	1.93
CHESTER	43.43	0.04	0.16	0.38	13.77	2.70	3.89	4.29	2.45	5.25	7.71	2.11	0.68
CHILCOOT	15.89	0.59	0.08	0.43	4.13	0.47	1.00	3.42	1.28	0.63	1.82	0.84	1.20
FEATHER FALLS	-	0.00	0.30	-	-	-	-	*	9.92	*	18.04	2.46	0.36
FORBESTOWN	86.52	0.00	0.27	0.28	24.28	4.63	10.27	13.24	3.31	10.82	14.65	3.45	1.32
GREENVILLE RS	51.70	0.41	0.31	0.15	16.55	3.83	3.94	4.39	4.20	6.64	8.57	1.61	1.10
HAMILTON BRANCH PH	-	0.11	0.21	0.09	-	2.10	2.67	4.54	1.45	4.59	6.28	1.50	0.56
HURLETON	-	-	-	-	-	-	-	-	-	7.92	8.48	2.10	0.65
KEDDIE	-	-	-	-	-	2.89	3.13	8.55	2.58	5.12	6.73	1.17	0.98
LAKE WILENOR	48.40	0.00	0.19	0.22	10.04	3.10	6.70	4.51	3.44	7.55	10.54	1.84	0.27
LAS PLUMAS	67.39	0.00	0.10	0.20	22.48	2.35	6.25	9.37	3.67	9.72	11.06	1.84	0.35
LOYALTON	24.71	0.46	0.16	0.26	7.44	0.93	1.20	3.04	2.84	1.79	3.91	1.27	1.47
LOYALTON 6 NW	25.58	0.28	0.10	0.90	8.79	0.95	1.48	3.26	2.55	1.45	3.16	1.25	1.41
LOYALTON 7 N	24.93	0.00	0.00	0.48	7.67	0.57	1.17	3.34	3.71	1.16	3.71	0.99	2.13
MOHAWK R S	55.18	0.52	0.39	0.06	18.17	2.04	4.36	4.58	7.02	6.18	7.35	1.57	2.94
ORDVILLE DAM	42.83	0.00	0.06	0.13	13.65	2.38	3.84	4.07	3.34	5.08	7.17	1.76	1.35
PLUMAS EUREKA PARK	85.54	1.06	0.99	0.50	24.58	4.14	8.22	8.84	11.88	8.08	13.43	2.01	1.81
PORTOLA	28.62	0.04	0.19	0.12	9.70	1.03	1.85	4.04	2.11	2.55	4.57	1.32	1.10
QUINCY R S	53.71	0.00	0.38	0.10	17.05	2.47	3.75	4.50	5.29	7.26	9.28	2.26	1.37
RACKERBY	-	-	-	-	-	-	-	-	-	7.92	7.69	2.36	0.30
RUSSELL RANCH	62.28	0.00	0.00	0.20	21.41	2.98	5.93	8.35	2.92	7.75	9.74	2.73	0.27
SATTLE 1 NW	52.22	0.01	0.31	0.15	16.17	2.64	4.39	8.30	5.43	4.60	6.80	1.75	1.67
SIERRAVILLE RS	44.71	0.38	0.15	0.11	15.39	2.10	2.25	4.14	6.69	3.85	5.81	2.23	1.61
SLOAT	-	0.28	-	-	-	-	-	-	-	-	-	-	-
STIRLING CITY R S	-	0.00	0.60	0.90	-	-	-	-	-	-	-	-	-
TAYLORSVILLE	53.73	T	0.54	0.25	15.58	3.25	4.20	8.40	2.37	5.76	9.49	2.65	1.24
VINTON	21.43	0.51	0.17	0.61	6.77	0.55	1.06	3.81	1.66	1.09	2.83	1.46	0.91
WESTWOOD	38.92	0.08	0.46	0.36	15.93	2.26	2.96	2.47	2.98	2.89	6.41	1.81	0.31
WOOLEAF	92.33	0.00	0.26	0.51	26.82	4.18	9.89	9.57	9.24	12.31	16.13	2.48	0.94
YUBA-BEAR RIVERS													
BEAR RIVER HEAD DAM	62.72	0.02	0.29	0.16	18.93	2.88	7.13	6.82	4.99	8.36	10.74	2.37	0.03
BEAR RIVER RANCH	-	0.00	0.00	0.16	14.70	-	4.46	4.84	2.07	6.06	6.38	-	-
BIG BEND R S	95.02	0.06	0.38	0.29	24.31	4.03	7.71	9.69	14.46	10.61	17.49	5.18	0.81
BOWMAN DAM	88.75	0.12	0.46	0.28	23.35	4.13	9.44	11.34	8.81	9.13	14.71	5.74	1.24
BRIDGEPORT 25 NEV CO	46.21	0.00	0.21	0.19	15.38	1.70	4.39	3.80	2.92	6.48	8.34	2.10	0.70
BULLARDS BAR PH	82.36	0.00	0.22	0.46	23.52	3.97	9.66	8.45	8.55	9.16	14.57	3.00	0.80
CAMPTONVILLE R S	76.12	0.00	0.51	0.46	20.87	3.60	10.25	6.32	9.59	7.89	12.65	2.86	1.12
CHALLENGE RANGER STA	82.96	0.00	0.28	0.49	25.23	3.74	9.09	8.28	7.21	11.42	14.21	2.54	0.47
COLGATE POWER HOUSE	49.51	0.00	0.11	0.20	16.07	2.46	5.61	4.47	2.31	6.22	8.88	2.50	0.68
DEER CREEK PH	-	T	0.53	0.21	24.48	3.20	7.97	12.61	9.03	12.47	16.46	3.25	-
DOBBINS F.F.S.	62.13	0.00	0.18	0.32	20.45	2.85	4.20	7.07	4.83	7.96	11.72	2.55	0.00
DOBBINS COLGATE FRBY	53.74	0.00	0.16	0.21	17.42	2.61	6.25	5.16	2.60	6.24	9.61	2.81	0.67
DOWNIEVILLE R S	84.82	0.05	0.90	0.69	23.77	3.09	6.60	7.73	12.67	10.03	14.91	3.11	1.27
DRUM FOREBAY	78.86	0.24	0.35	0.32	20.83	4.52	8.05	8.09	8.89	9.53	12.59	3.77	1.68
FRENCH CORRAL	48.83	0.00	0.40	0.30	17.20	1.66	5.05	3.62	3.14	6.20	8.47	2.37	0.42

TABLE I (Cont. uca)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in inches												
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SACRAMENTO RIVER BASIN													
YUBA-BEAR RIVERS													
FULLER LAKE	-	0.00	T	T	27.72	3.34	8.83	12.78	5.01	13.34	16.39	-	-
GRASS VALLEY	71.54	T	0.44	0.29	19.98	2.78	7.10	7.12	6.08	11.49	12.61	3.00	0.65
H L ENGLEBRIGHT DAM	-	0.00	0.12	0.11	15.03	1.17	3.68	3.54	-	5.59	7.17	2.04	1.30
HIDDEN VALLEY RANCH	44.38	0.02	0.25	0.22	15.36	1.55	4.77	3.53	3.91	5.82	7.18	1.67	0.10
INDIAN ROCK	85.30	0.00	0.25	0.45	24.55	4.46	9.69	9.05	6.36	11.22	14.92	2.71	1.64
LAKE SPAULDING	91.04	0.15	0.09	0.16	23.22	4.09	7.33	11.94	8.48	12.45	16.51	5.15	1.47
LA PORTE	-	0.00	0.55	0.75	-	4.35	10.99	18.51	5.59	17.19	20.47	3.44	1.48
NEVADA CITY	68.88	T	0.38	0.29	20.96	2.52	6.77	6.97	6.81	9.06	12.28	2.60	0.24
NEVADA CITY R S	64.76	0.00	0.00	0.30	20.50	2.60	6.59	4.43	6.03	8.30	12.40	3.61	0.00
NORTH SAN JUAN	57.79	0.00	0.29	0.21	16.96	3.67	7.05	6.69	3.18	7.21	9.69	2.47	0.37
NORTH SAN JUAN 4NE	66.28	T	0.34	0.40	17.58	3.60	7.52	6.40	6.88	7.16	12.76	2.71	0.93
OROGON HOUSE 2N	66.80	0.00	0.00	T	22.80	3.15	6.30	5.80	4.55	7.05	14.20	2.65	0.30
ROUGH AND READY	-	-	-	-	-	-	-	11.20	2.10	7.90	-	-	-
SODA SPRINGS 1 E	80.08	0.69	0.28	0.28	16.40	3.80	5.08	7.70	11.19	12.11	16.21	4.36	1.98
STRAWBERRY VALLEY	106.13	T	0.45	0.38	28.91	4.09	10.98	17.77	7.03	15.09	17.53	3.13	0.77
TRUE RANCH	-	0.00	0.00	0.00	17.20	1.85	7.25	4.51	3.48	6.57	7.90	-	-
VIRGINIA RANCH DAM	44.92	0.00	0.05	0.06	16.60	1.75	3.78	3.20	3.02	6.71	7.90	1.85	T
WASHINGTON RIDGE	-	-	-	-	26.38	2.62	8.73	11.69	2.15	9.39	11.99	2.60	0.10
WASHINGTON	79.99	0.06	0.49	0.40	23.49	2.88	7.01	11.15	6.29	10.63	13.84	3.01	0.74
WEIMAR 1W	55.70	0.00	0.27	0.11	17.34	1.75	5.41	1.86	9.68	7.25	9.46	2.34	0.23
WILLOW VALLEY	72.05	0.00	0.38	0.05	15.55	4.26	3.32	*	14.32	*	26.78	5.60	1.79
WOLF MOUNTAIN	52.24	0.00	0.25	0.30	17.15	1.33	6.09	6.73	2.03	6.65	9.19	2.32	0.20
AMERICAN RIVER													
APPLEGATE	60.45	0.07	0.31	0.08	17.10	1.26	6.00	5.48	6.72	7.40	13.32	2.71	0.00
AUBURN	44.72	0.00	0.24	0.14	13.86	1.44	4.31	4.11	4.82	5.81	7.70	2.25	0.04
AUBURN DIV FORESTRY	37.48	0.05	0.24	0.06	12.90	0.95	3.80	3.25	3.88	4.58	6.05	1.72	0.00
BLODGETT EXP FST	76.88	0.39	0.05	0.01	19.00	2.54	7.43	10.51	8.96	9.12	14.09	4.20	0.58
BLUE CANYON WB AP	87.93	0.13	0.31	0.18	22.32	4.02	8.74	15.68	5.27	10.83	14.20	4.39	1.86
CAMINO DRIVER	58.59	0.45	0.00	0.02	13.62	2.06	4.85	5.67	9.25	8.84	10.66	2.62	0.55
COLFAX	66.28	0.02	0.30	0.10	21.36	2.79	7.28	8.98	4.28	8.17	10.07	2.78	0.15
COLFAX FIRE STATION	52.60	T	0.28	0.12	15.28	1.89	5.56	7.36	4.28	6.77	8.51	2.57	0.18
COLOMA	39.80	0.03	0.08	T	11.93	0.96	3.86	3.04	4.60	6.02	6.80	2.33	0.15
COOL	40.90	0.05	0.17	0.03	11.62	1.54	4.31	3.78	4.33	5.30	7.58	2.19	0.00
EL DORADO FFS	-	0.01	0.00	0.00	10.55	1.41	3.82	3.76	6.27	7.30	6.82	-	0.00
EL DORADO PH	61.67	0.82	0.21	0.00	15.33	1.91	5.04	8.13	6.68	9.90	10.58	2.71	0.56
FOLSOM DAM	29.94	0.02	0.20	0.03	9.77	0.51	2.58	2.68	3.32	4.73	4.86	1.24	T
FORESTHILL R S	65.50	0.05	0.17	0.10	18.64	2.62	6.69	5.79	9.10	8.26	10.87	3.02	0.19
FRESH POND	-	-	-	-	-	-	-	6.11	11.33	7.46	13.68	-	-
GARDEN VALLEY 2 S	47.11	0.12	0.06	0.10	13.32	1.64	5.02	3.49	5.28	6.54	8.47	2.88	0.19
GEORGETOWN	58.54	0.04	0.00	T	16.68	2.48	5.43	4.49	7.48	7.15	11.78	2.87	0.14
GEORGETOWN R S	67.67	0.34	0.00	0.00	17.87	2.87	6.24	6.23	9.22	8.56	12.59	3.36	0.39
GOLD RUN	72.43	0.12	0.39	0.12	20.15	3.47	8.17	8.95	7.52	8.61	11.54	2.79	0.60
GREEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	0.25
GREENWOOD 1 SE	49.85	0.03	0.30	0.00	13.67	2.00	5.25	4.22	5.60	7.00	9.40	2.37	0.01
IOWA HILL	-	-	-	-	-	-	-	-	-	-	10.99	2.92	0.07
JAY BIRD P H	68.97	-	-	-	16.73	2.63	5.49	7.72	9.09	9.62	14.70	2.99	0.00
KYBURZ STRAWBERRY	-	0.39	0.25	-	-	2.00	3.54	10.35	-	*	19.09	4.70	1.25
LONG VALLEY ORCHARD	37.94	T	0.34	0.04	12.47	1.18	3.48	3.50	3.61	5.03	6.41	1.73	0.15
MICHIGAN BLUFF	-	0.25	0.06	0.18	-	2.46	6.16	8.00	-	7.87	9.78	2.89	0.28
MOUNT DANAHAR	51.82	0.34	0.09	T	12.97	1.54	4.87	5.00	7.91	6.59	9.51	2.51	0.49
ONION CREEK	72.89	0.31	0.46	0.00	19.46	1.55	6.10	*	17.96	2.57	17.38	4.72	2.38
PACIFIC HOUSE	60.14	0.55	0.19	T	12.04	2.17	4.66	5.26	10.63	7.93	12.64	3.36	0.71
PARADISE VALLEY	57.77	0.00	0.00	0.00	18.80	0.36	3.25	10.15	2.28	9.24	10.81	2.73	0.15
PEAVINE RIDGE	-	-	-	-	7.65	1.97	4.56	5.76	11.37	7.57	12.54	3.53	0.00
PLACERVILLE	44.40	0.05	0.01	T	11.39	1.28	4.32	4.05	6.06	6.63	8.11	2.45	0.05
PLACERVILLE IFG	48.80	0.17	0.09	T	12.86	1.49	4.63	4.11	6.99	*	15.62	2.68	0.16
PLACERVILLE 1W	-	0.05	0.02	0.00	10.74	1.07	3.93	6.65	2.36	5.98	6.74	-	-
REPRESA	26.94	0.04	0.23	0.03	8.80	0.59	2.44	2.83	1.89	4.30	4.69	1.05	0.05
TODD VALLEY	58.91	0.00	0.00	0.00	19.00	2.20	5.95	7.15	4.78	6.87	10.98	1.55	0.43
TWIN LAKES	64.91	0.25	0.19	0.17	10.06	1.89	2.99	10.26	6.86	10.32	13.61	5.60	2.71
VOLCANOVILLE	-	0.08	0.13	T	-	-	-	-	-	6.52	10.73	2.85	0.42

TABLE 1 (Continued)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in Inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mor	Apr	Moy	June
SACRAMENTO RIVER BASIN													
CACHE CREEK													
ABBOTT MINE	-	0.00	0.00	-	4.80	0.65	-	-	-	-	-	-	-
ADOBE CREEK	-	0.00	0.14	0.41	14.73	2.01	6.66	9.97	3.72	8.25	7.24	-	-
BROOKS FARNHAM RANCH	26.18	0.00	0.00	T	6.76	0.59	3.46	4.73	2.20	3.72	3.53	0.87	0.32
CAPAY 4 W	28.52	0.00	0.00	0.01	7.97	0.63	3.59	5.85	1.80	4.02	3.82	0.83	0.00
CLEARLAKE HGHLDS	-	0.00	-	-	7.40	1.03	3.02	4.38	-	2.93	5.19	-	0.00
CLEARLAKE OAKS 7 E	-	-	-	-	-	-	-	-	-	-	8.43	1.06	0.00
CLEARLAKE OAKS FFS	27.09	0.00	0.10	0.32	6.38	1.21	2.80	3.84	3.31	3.74	4.64	0.75	0.00
COBB	87.25	0.00	0.21	0.38	19.95	2.59	9.14	12.72	12.12	13.24	13.83	3.07	0.00
COBB 2 NW	60.17	0.00	0.17	0.56	13.49	1.52	6.53	9.48	8.06	9.49	9.09	1.78	T
CUNNINGHAM	40.33	0.00	0.15	0.30	10.40	1.47	4.18	5.35	5.26	6.26	5.75	1.21	0.00
FINLEY 1 NNE	30.40	0.00	0.11	0.19	8.05	1.38	3.48	5.30	1.95	4.25	4.61	1.08	0.00
FINLEY 1 SSE	-	0.00	0.10	0.34	9.28	1.43	-	4.49	4.13	5.03	5.03	1.14	0.00
FINLEY 5 SW	45.14	0.00	0.10	0.40	10.52	1.79	5.55	7.06	3.42	8.07	6.97	1.26	T
GUINDA	-	0.00	0.00	0.00	7.17	0.82	3.64	6.74	-	-	-	-	-
HIGH VALLEY MITCHELL	44.60	0.00	0.40	0.60	8.20	2.60	4.40	5.40	4.40	6.20	10.50	1.90	T
HIGH VALLEY RANCH	31.63	0.00	0.00	0.34	7.24	1.44	3.35	4.54	3.13	4.23	6.68	0.68	T
HOPLAND 8NE	46.48	0.00	0.10	0.67	10.25	2.79	5.50	7.36	3.42	7.45	7.67	1.27	0.00
KELSEYVILLE	34.02	0.00	0.09	0.41	9.48	1.17	3.49	4.48	4.37	4.60	4.90	1.03	T
KELSEYVILLE 2 N	31.28	0.00	0.00	0.39	8.44	1.01	3.53	4.90	2.56	4.34	5.02	1.09	0.00
LAKEPORT 2 NW	-	0.00	0.05	0.35	9.33	-	-	-	-	-	-	-	-
LAKEPORT	34.68	0.00	0.10	0.31	7.71	1.71	4.26	5.88	3.18	5.16	5.56	0.81	T
LAKEPORT 3W	46.86	0.00	0.12	0.40	10.49	2.26	5.24	5.06	6.84	7.47	8.16	0.82	0.00
LAKEPORT USSCS	-	0.00	0.05	0.29	8.47	1.51	-	5.58	2.29	4.79	4.93	0.77	0.00
LEESVILLE KEEGAN RCH	26.91	0.00	0.10	0.28	5.99	0.87	2.88	2.98	5.02	3.95	3.95	0.69	0.20
LOWER LAKE 1 W	36.84	0.00	0.00	0.10	8.50	1.25	3.95	6.45	4.37	4.87	6.40	0.95	0.00
LOWER LAKE	35.65	0.00	0.00	0.11	9.07	0.76	3.60	6.36	4.71	4.33	5.61	1.08	0.02
MAHNKE	-	0.00	0.17	0.45	13.28	1.56	6.36	11.05	4.17	-	9.35	-	0.00
MORGAN VALLEY STANLEY	54.05	0.00	0.00	0.35	14.62	2.24	6.69	7.95	6.20	6.81	7.87	1.32	0.00
PITTS RANCH	44.31	0.00	0.11	0.27	11.50	1.65	5.29	5.56	5.97	6.49	6.06	1.41	0.00
RUMSEY 1 NW	35.96	0.00	T	0.04	9.90	0.99	3.76	7.64	2.56	5.03	5.11	0.84	0.09
SODA BAY	35.43	0.00	0.00	0.40	9.00	1.30	3.23	4.20	5.70	4.60	6.00	1.00	0.00
UPPER LAKE 7 W	45.61	0.00	0.91	0.00	6.25	2.76	5.74	7.24	3.66	8.48	9.41	1.13	0.03
UPPER LAKE R S	38.63	0.00	0.03	0.44	8.20	2.54	4.49	5.81	2.65	6.51	7.10	0.86	0.00
PUTAH CREEK													
BERRYESSA LAKE	31.64	0.00	0.00	0.02	7.76	0.46	3.55	4.36	4.91	5.14	4.80	0.64	0.00
HOBERGS	-	0.00	0.13	0.32	16.22	1.68	7.29	9.88	10.35	11.39	11.04	2.18	-
MIDDLETOWN	61.24	0.00	0.06	0.51	13.37	2.17	6.76	7.59	9.54	*	17.87	3.37	0.00
MIDDLETOWN 7 NW	91.29	0.00	0.29	0.60	21.10	3.18	11.22	13.08	12.17	13.19	14.16	2.30	0.00
MIDDLETOWN 4 WSW	89.39	0.00	0.25	1.30	20.60	3.74	9.64	16.64	5.62	13.75	14.48	3.37	0.00
MONTICELLO	35.70	0.00	0.07	0.02	9.49	0.61	2.78	6.23	4.91	5.73	5.33	0.53	0.00
PLEASANTS VALLEY	38.84	0.00	0.02	T	9.68	0.70	3.01	7.16	6.16	5.98	5.40	0.73	T
POPE VALLEY 2 E	49.03	0.00	T	0.10	14.80	1.20	5.40	6.75	8.80	5.82	5.48	0.68	0.00
SAINT HELENA 7 NE	-	0.00	0.04	0.20	-	1.49	5.25	11.23	3.13	6.72	6.82	0.87	0.05
WINTERS SCOTT RANCH	31.84	0.00	0.00	T	7.36	0.62	3.13	7.02	3.01	4.81	5.23	0.66	0.00
SAN JOAQUIN RIVER BASIN													
SAN JOAQUIN VALLEY FLOOR													
BELLOTA ANDERSON	18.46	0.05	T	0.00	2.22	0.49	2.03	1.25	3.69	3.66	4.66	0.41	T
BUENA VISTA	21.54	0.00	0.00	T	3.99	0.80	2.50	1.37	4.19	3.87	3.76	1.04	0.02
CLAY 1 NW	21.02	0.04	0.00	0.00	4.18	0.53	2.23	1.48	3.70	3.92	4.30	0.61	0.03
CLEMENTS	17.84	0.07	0.08	0.00	2.44	0.57	2.19	1.20	4.26	3.22	3.21	0.60	0.00
CRESCENZI RANCH	19.44	0.00	0.00	0.00	3.94	0.52	1.94	3.16	2.81	3.55	3.35	0.17	0.00
ELLIOTT	21.28	0.06	0.08	T	3.32	0.57	2.17	1.61	4.50	3.90	4.62	0.45	T
EUGENE STUART RANCH	16.71	0.02	0.00	0.02	1.52	0.55	2.14	0.95	3.53	3.70	3.84	0.44	0.00
FARMINGTON	-	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-
GALT	21.74	0.08	0.01	0.00	4.73	0.45	1.83	1.81	3.88	4.34	4.10	0.49	0.02
GALT WATER DIST	21.50	0.08	T	0.00	4.84	0.34	1.76	1.96	3.90	3.97	4.21	0.42	0.02
HERALD F.S.	-	-	-	-	-	-	2.07	3.59	2.19	3.91	4.22	0.65	0.00
IONE 2 NW	29.15	0.55	T	T	6.18	1.00	2.45	5.65	1.69	5.35	4.70	1.48	0.10
JENNY LIND 3SW	19.28	0.02	0.00	T	2.42	0.62	2.16	1.16	3.55	3.89	4.97	0.49	T
LINDEN FIRE STATION	18.03	0.08	0.01	0.08	2.03	0.43	1.96	1.43	4.05	3.44	4.14	0.38	0.00

TABLE 1 (Continued)
PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in Inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SAN JOAQUIN RIVER BASIN													
SAN JOAQUIN VALLEY FLOOR													
LINDEN SHELLY RANCH	18.05	0.02	0.00	0.00	2.41	0.59	1.92	1.25	3.44	3.62	4.19	0.57	0.04
LOCKEFORD	19.17	0.03	0.04	0.00	2.54	0.58	2.29	4.12	1.58	3.93	3.54	0.51	0.01
LOCKEFORD 7SE	21.07	0.14	0.04	T	2.59	0.80	2.31	1.76	4.13	3.80	4.28	1.18	0.04
LODI	19.03	0.02	T	T	2.66	0.53	1.92	2.69	3.52	3.44	3.77	0.47	0.01
LODI 3 W	18.65	0.00	0.00	0.00	3.14	0.60	1.79	1.78	4.14	3.18	3.63	0.39	0.00
LODI 4 NNE	19.23	0.15	0.00	0.00	2.95	0.50	2.06	1.61	4.45	3.52	3.59	0.40	0.00
MANTECA NO 2	12.32	0.00	0.00	0.00	1.07	0.27	1.73	1.15	3.15	2.28	2.41	0.23	0.03
MARSHALL RANCH	17.46	0.00	0.00	0.00	2.37	0.49	2.04	1.65	3.93	3.36	3.31	0.31	0.00
MILTON	20.81	0.00	0.00	0.00	2.16	0.67	2.48	1.49	4.51	3.73	4.92	0.85	0.00
SAC COUNTY BOYS RANCH	-	-	-	-	-	-	2.14	3.68	1.34	4.49	6.52	0.89	0.00
SLOUGHHOUSE 6 SE	24.74	0.00	0.00	0.00	5.84	0.69	2.62	1.88	4.83	3.41	4.64	0.83	0.00
SLOUGHHOUSE 1 SW	24.67	0.03	0.00	0.00	6.40	0.45	2.32	2.22	2.72	4.30	5.47	0.74	0.02
SNOW RANCH	-	0.00	0.00	0.00	1.76	0.75	2.12	1.73	4.24	-	-	-	-
STOCKTON FAA AP	16.82	0.02	T	T	1.32	0.45	1.69	4.29	2.50	2.84	3.12	0.46	0.13
STOCKTON S P	17.36	0.00	0.00	0.03	1.23	0.32	1.55	1.63	5.65	2.64	3.60	0.44	0.27
STOCKTON FIRE STN 4	19.46	T	0.02	0.02	1.80	0.28	1.86	1.96	5.84	2.87	3.72	0.92	0.17
VALLEY SPRINGS 6 SW	26.60	0.10	0.00	0.00	3.40	1.05	2.90	1.50	4.85	4.75	6.80	1.00	0.25
WALLACE	22.73	0.11	0.00	0.00	2.96	0.76	2.37	1.49	5.03	3.72	5.67	0.62	T
WHITE ROCK	-	0.05	0.21	0.03	7.16	0.62	2.66	-	3.20	4.68	5.93	1.06	-
WINFORD LINN RANCH	18.98	0.07	0.04	T	2.22	0.68	2.07	1.53	4.15	3.70	3.95	0.57	T
YOUNGSTOWN	19.50	0.12	0.00	0.00	2.51	0.51	2.14	1.58	4.71	3.77	3.67	0.49	0.00
CO SUMNES RIVER													
CEDARVILLE TREE FARM	48.74	0.22	0.16	T	11.63	1.60	3.81	4.65	6.85	9.64	7.42	2.46	0.30
D AGOSTINI WINERY	39.01	0.01	0.01	0.04	10.56	1.44	3.65	2.31	6.95	6.01	6.09	1.79	0.15
DIAMOND SPRINGS	43.50	0.06	T	T	11.13	1.24	3.97	3.40	6.71	6.41	8.38	2.14	0.06
DRYTOWN-VAIRA RANCH	29.74	0.00	0.00	0.00	7.09	1.16	3.13	3.87	1.94	6.19	4.59	1.77	0.00
FIDDLETOWN LYNCH RCH	44.38	0.05	0.05	T	11.69	1.62	4.47	3.08	6.90	6.56	7.33	2.52	0.11
GRIZZLY FLATS	-	0.19	0.16	0.00	-	2.07	3.78	-	-	*	19.17	-	0.42
LATROBE	-	0.05	0.16	0.00	6.68	0.70	3.02	-	-	5.18	6.08	1.23	0.04
LEHMAN RCH	32.70	0.02	0.07	T	8.85	0.77	2.91	2.67	3.62	5.31	7.02	1.38	0.08
PLYMOUTH	-	0.00	0.00	0.00	8.41	-	2.85	-	5.52	6.10	-	-	-
PLYMOUTH 3 NE	33.64	0.02	0.00	0.00	8.45	1.30	4.00	4.85	2.12	6.13	5.05	1.62	0.10
PLYMOUTH 6 WNW	30.01	0.05	0.01	T	8.37	0.90	2.94	1.67	4.94	4.39	5.35	1.32	0.07
RIVER PINES	39.45	0.06	T	0.00	10.33	1.35	3.59	2.26	7.17	6.14	6.20	2.21	0.14
SHINGLE SPRINGS	42.36	0.07	0.06	0.00	11.30	1.12	3.94	3.78	5.87	6.27	7.86	1.88	0.21
SLY PARK	59.54	0.37	0.22	0.00	12.29	2.71	4.69	4.08	10.40	8.30	12.19	3.36	0.93
MO KELUMNE-CALAVERAS RIVERS													
ALTAVILLE CDF	27.74	0.00	0.00	0.00	2.68	0.70	2.74	2.80	6.83	5.60	4.87	1.18	0.34
CALAVERAS BIG TREES	61.96	0.09	0.00	0.28	7.36	1.34	3.82	11.39	11.27	8.61	13.04	3.71	1.05
CAMP PARDEE	24.93	0.10	0.00	0.00	4.71	0.90	3.25	1.25	4.50	4.23	4.97	0.98	0.04
DOUBLE SPRINGS RCH	28.07	0.00	0.00	0.00	5.29	1.10	3.09	1.25	4.53	4.74	5.98	1.91	0.18
ELECTRA PH	34.18	0.10	0.10	0.02	5.99	1.15	3.55	3.48	4.35	5.50	7.07	2.13	0.74
HOGAN DAM	24.26	0.09	0.00	0.00	4.83	0.89	2.40	1.62	4.17	4.05	5.15	1.01	0.05
IONE	24.44	0.12	0.00	0.01	4.65	0.94	2.55	1.44	4.94	3.97	4.29	1.47	0.06
JACKSON 1 NW	32.02	0.02	0.00	0.00	6.10	1.06	3.60	2.86	4.73	5.27	6.68	1.63	0.07
MURPHYS 3 NW	-	0.30	0.00	0.35	6.25	1.01	3.95	5.05	9.20	-	-	-	-
MURPHYS 2 N	45.13	0.26	0.00	0.00	5.77	1.02	3.18	5.24	8.94	7.63	9.56	2.48	1.05
PINE GROVE CONS CAMP	50.32	0.00	0.03	0.06	10.92	1.41	4.28	6.05	7.14	7.23	8.91	3.04	1.25
PRESTON SCHOOL	25.53	0.10	0.00	T	4.85	1.01	2.65	3.55	2.62	4.10	5.00	1.59	0.06
RAILROAD FLAT	49.44	0.18	0.12	0.03	8.46	1.34	3.99	10.45	2.79	7.38	10.72	2.46	1.52
SALT SPRINGS PH	53.20	0.45	0.06	0.07	5.97	1.30	3.18	9.71	7.60	8.47	11.26	3.98	1.15
SAN ANDREAS	30.68	0.19	0.00	0.06	4.35	0.95	3.22	3.07	5.55	4.99	6.46	1.19	0.65
SAN ANDREAS 2 S	35.07	0.00	0.00	0.14	5.19	1.02	3.20	4.85	5.60	5.91	7.14	1.09	0.93
SAN ANDREAS R S	29.82	0.20	T	0.00	3.19	0.93	3.02	3.42	5.33	5.11	6.78	1.25	0.59
SHEEP RANCH	46.07	0.21	0.00	T	6.54	1.11	3.54	9.45	3.43	7.96	9.85	2.51	1.47
SUTTER HILL R5	-	0.00	0.00	0.01	7.29	1.10	3.80	2.08	6.37	5.22	-	1.58	0.09
TIGER CREEK PH	54.26	0.51	0.17	0.04	8.76	1.77	3.71	7.68	7.82	7.82	11.69	3.67	0.62

TABLE 1 (Continued)
PRECIPITATION DATA FOR 1962-63
NORTHEASTERN CALIFORNIA

Station	Precipitation in inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
SAN JOAQUIN RIVER BASIN													
MOKELUMNE-CALAVERAS RIVERS													
VALLEY SPRINGS	23.37	0.09	T	T	3.74	0.88	2.73	1.15	4.35	4.07	5.34	0.93	0.09
WEST POINT 3 SW	45.77	0.11	0.07	0.04	7.54	1.30	3.57	5.93	5.73	7.47	9.40	3.20	1.41
WILSEYVILLE	47.09	0.30	0.07	0.03	7.52	1.30	3.55	4.12	7.73	6.75	11.04	3.27	1.41
SAN JOAQUIN VALLEY WESTSIDE													
ANTIOCH FIBREBD MILL	17.86	0.00	T	T	4.76	0.24	1.84	1.94	2.87	2.38	3.37	0.45	0.01
ANTIOCH PUMP PLANT 3	17.73	0.00	0.05	0.00	4.85	0.23	1.52	1.83	2.76	2.55	3.50	0.41	0.03
BRENTWOOD 6 SW	20.91	0.00	0.00	0.00	5.09	0.25	1.35	5.92	1.47	3.00	3.37	0.46	0.00
PITTSBURG OOW CHEM	19.21	0.00	0.01	0.31	5.67	0.16	1.27	2.68	2.99	2.19	3.45	0.42	0.06
SACRAMENTO-SAN JOAQUIN DELTA													
BRANNAN ISLAND	20.05	0.00	0.04	0.00	5.37	0.42	1.51	2.70	2.74	2.92	3.78	0.57	0.00
BRENTWOOD	18.60	0.00	0.00	0.02	4.47	0.19	1.53	4.05	1.61	2.49	3.89	0.35	T
CLARKSBURG	25.39	0.00	0.08	0.03	7.82	0.39	1.69	2.75	3.93	3.62	4.38	0.68	0.02
COLLINSVILLE	21.40	0.00	0.00	0.16	6.84	0.39	1.44	3.40	2.15	2.63	3.83	0.49	0.07
DIXON VOICE-AMERICA	24.88	0.00	0.00	0.08	7.00	0.60	1.76	3.54	2.99	3.52	4.57	0.82	0.00
GRAND ISLAND R D 3	25.38	0.00	0.00	0.00	8.22	0.41	1.47	4.53	1.81	3.93	4.17	0.84	0.00
HOLT 2 ESE	15.43	0.00	0.00	0.00	2.09	0.35	1.57	2.02	3.67	2.42	2.86	0.45	0.00
ISLETON	25.34	0.00	0.06	0.00	8.25	0.45	1.80	2.40	3.84	3.20	4.44	0.90	0.00
LIBERTY FARMS	-	0.00	0.00	T	6.99	0.27	1.43	0.85	-	-	-	0.32	0.00
MANDEVILLE ISLAND	15.96	0.00	0.07	0.00	4.39	0.28	1.65	1.35	2.17	2.33	3.42	0.30	0.00
RIO VISTA	20.50	0.00	0.00	0.00	6.00	0.35	1.53	3.48	1.31	3.22	4.05	0.56	0.00
STOCKTON DISPOSAL PLT	17.19	0.00	0.00	0.00	1.44	0.42	1.70	4.37	2.73	2.81	3.27	0.44	0.01
STOCKTON 5 SW	15.07	0.00	T	0.00	1.22	0.33	1.48	*	6.44	2.49	2.83	0.22	0.06
STOCKTON MUWRY BRDGE	14.19	0.00	0.00	0.00	1.14	0.36	1.66	2.12	3.42	2.38	2.84	0.27	0.00
TERMINOUS RCH	19.14	0.00	0.00	0.00	4.60	0.64	1.60	1.81	3.32	3.39	3.42	0.36	0.00
TRACY FIRE STATION	08.85	0.00	0.00	0.02	0.73	0.33	1.22	0.81	2.01	1.73	1.83	0.17	0.00
TRACY SP	-	-	-	T	-	0.32	1.14	1.23	1.29	1.39	1.74	0.20	0.03
TRACY 2 SSE	07.96	0.00	0.00	0.00	0.55	0.33	1.15	0.99	1.42	1.36	2.01	0.15	0.00
TRACY CARBONA	08.80	0.00	0.00	0.00	0.65	0.34	1.29	1.07	1.82	1.41	2.11	0.11	T
TRACY PUMPING PLANT	13.21	0.00	0.00	0.05	2.87	0.18	1.35	1.90	2.45	1.84	2.27	0.30	0.00
VICTORIA ISLAND	13.11	0.00	0.00	0.00	2.27	0.00	1.50	4.05	0.38	2.05	2.86	0.00	0.00
WALNUT GROVE	-	-	-	-	-	-	1.75	4.20	3.00	4.48	2.74	0.48	0.00
NORTH LAHONTAN AREA													
SURPRISE VALLEY													
CEGARVILLE	18.60	T	0.34	0.24	6.86	1.01	1.06	0.83	1.94	0.73	2.96	1.12	1.51
CEGARVILLE HANSEN	11.77	0.11	0.20	T	4.34	0.43	0.55	1.08	0.90	0.48	1.21	0.94	1.53
CEGARVILLE 12 SE	11.13	0.00	0.51	0.01	2.87	0.51	0.22	0.62	0.82	0.61	2.34	1.61	1.01
EAGLEVILLE 7 SSE	-	-	-	0.13	4.02	-	1.01	1.74	-	-	-	1.84	-
EAGLEVILLE 2 SE	-	-	-	-	-	0.75	1.20	*	3.50	-	1.87	1.06	1.76
FORT BIDWELL	19.13	0.02	0.21	0.26	5.69	1.33	1.29	1.39	1.81	1.72	2.95	1.08	1.38
FORT BIDWELL /NE	21.33	0.17	0.27	0.14	6.45	1.64	1.55	1.90	1.81	1.74	2.94	1.37	1.33
MADELAINE PLAINS													
MADELINE MAINT STN	15.85	0.09	0.16	0.10	5.55	1.99	0.90	1.32	0.67	0.82	1.81	1.59	0.85
RAVENDALE 1 SSE	13.51	0.02	0.40	0.05	4.90	0.70	0.96	1.53	0.64	0.65	1.88	1.05	0.73
RAVENDALE JIM MARR	12.23	0.20	0.11	0.52	3.87	0.97	0.98	1.54	0.27	0.41	1.30	0.89	1.17
RAVENDALE HARRY MARR	11.38	0.00	0.26	0.00	4.57	0.41	0.81	1.23	0.65	0.42	0.70	1.35	0.98
RAVENDALE 5 ESE	11.38	0.05	0.35	0.05	4.90	0.59	0.61	1.42	0.43	0.32	0.92	0.74	1.00
TERMO 6 SW	22.78	0.00	0.34	0.17	10.03	1.11	1.29	2.30	1.40	0.83	2.04	2.03	1.24
TERMO	15.12	0.03	0.25	0.25	5.62	0.76	0.72	1.08	0.88	0.67	1.14	2.28	1.44
TERMO DRIN MARR RCH	-	-	-	-	-	-	0.72	1.58	-	-	0.75	1.23	-
EAGLE LAKE													
EAGLE LAKE NELSON	26.00	0.10	0.20	0.12	11.40	1.11	1.30	3.46	0.78	1.84	3.07	1.72	0.90
SUSAN RIVER													
DAKIN FISH AND GAME	15.08	0.02	0.19	0.00	6.33	0.55	0.91	2.22	0.95	0.60	1.20	1.15	0.96
FLEMING FISH & GAME	12.20	0.00	0.24	0.08	4.59	0.35	0.88	1.87	0.62	0.54	1.25	1.05	0.70
JANESVILLE FLETCHER	38.63	0.22	0.58	0.13	15.02	1.91	2.24	3.58	4.29	2.96	5.41	0.91	1.38
SECRET VALLEY	10.68	0.02	0.27	0.02	3.17	0.34	1.03	1.07	1.25	0.38	1.37	1.12	0.64
STANDISH 1E	15.21	0.24	0.26	0.05	5.92	0.55	0.86	1.52	1.11	0.56	1.79	1.48	0.87

TABLE 1 (Continued)
 PRECIPITATION DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station	Precipitation in inches												
	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
NORTH LAHONTAN AREA													
SUSAN RIVER													
SUSANVILLE	-	0.30	0.27	0.06	13.30	0.85	1.06	1.82	1.31	1.49	2.71	0.69	-
SUSANVILLE 4 NE	20.17	0.00	0.32	0.02	9.00	0.65	1.40	3.15	0.57	1.20	2.53	0.72	0.61
SUSANVILLE AP	24.99	0.15	0.35	0.02	12.26	0.61	1.96	3.61	1.05	1.37	2.05	0.74	0.80
SUSANVILLE 1WNW	25.00	0.29	0.26	0.15	11.44	1.04	1.31	3.29	0.87	1.93	2.86	0.85	0.71
SUSANVILLE COURTHSE	23.00	0.27	0.00	0.14	9.52	0.95	1.20	3.39	0.80	1.84	2.92	1.10	0.87
WENDEL 1 E	11.57	0.04	0.15	0.02	3.51	0.36	0.82	1.79	0.51	0.70	1.00	1.44	1.23
WILLOW CR MURRER RCH	25.91	T	0.43	0.08	9.88	1.93	1.69	3.21	1.74	1.44	3.22	0.77	1.52
HERLONG													
CHILCOOT 3 ESE	-	0.00	0.00	0.00	-	0.00	-	-	-	-	-	-	-
DOYLE	20.50	0.65	0.14	0.14	5.72	0.31	0.90	5.16	1.16	0.92	2.92	1.00	1.48
DOYLE 5SSE	28.36	0.27	0.15	0.13	7.37	1.39	1.13	4.03	5.26	1.79	3.79	1.57	1.48
HERLONG S O D	-	-	-	-	-	0.10	1.20	2.98	0.54	0.52	0.93	0.85	1.24
LONG VALLY INSP STN	18.01	0.33	0.18	0.29	4.52	0.21	1.25	4.33	1.85	0.58	1.61	1.80	1.06
MILFORD	30.17	0.62	0.21	0.39	11.84	0.84	1.52	2.25	3.31	2.06	4.80	0.95	1.38
MILFORD LAUFMAN R S	30.08	0.10	0.21	0.18	10.86	0.75	1.35	4.61	1.41	2.78	5.08	1.51	1.24
OTIS CANYON	26.31	0.00	0.00	0.00	9.75	0.63	1.27	3.83	1.75	1.56	3.58	2.43	1.51
STACY	-	-	-	-	-	-	-	-	-	-	-	-	1.11
WENDEL 10 SE	09.49	0.00	0.30	0.00	2.80	0.00	0.57	1.34	0.90	0.33	0.89	1.27	1.09
TRUCKEE RIVER													
AL TAHOE 1 SSE	24.60	0.96	0.16	0.38	3.77	0.97	1.23	6.56	3.44	1.98	1.58	2.17	2.00
BOCA	31.22	0.66	0.65	0.11	5.55	1.05	1.58	4.03	4.10	3.15	6.12	2.77	1.45
CARSON CITY NEVADA	16.79	0.60	0.01	0.04	1.92	0.08	0.44	4.14	3.38	1.14	1.34	1.36	2.34
U.L. BLISS STATE PARK	53.73	0.12	0.23	0.18	9.99	2.05	3.46	5.75	10.99	7.20	8.87	2.26	2.63
DOG VALLEY GUARD STA	37.17	0.26	0.21	0.68	8.01	1.48	1.31	*	9.68	3.99	5.41	4.10	2.04
DOG CREEK WATERSHED 1	32.95	0.41	0.28	0.45	7.24	1.03	1.42	*	8.06	3.70	4.01	4.42	1.93
DOG CREEK WATERSHED 2	39.61	0.81	0.32	0.97	7.58	1.50	1.42	*	8.13	6.10	6.34	4.47	1.97
DONNER MEM ST PARK	57.77	0.76	0.37	0.24	12.12	2.42	5.94	5.71	9.08	6.18	9.88	2.63	2.44
GLENBROOK NEVADA	20.15	0.75	0.07	0.09	2.35	0.47	1.15	3.66	2.48	1.96	2.30	2.79	2.08
MEYERS 4SW	53.21	0.60	0.37	0.65	6.53	1.59	2.48	10.31	6.44	5.21	9.65	2.45	6.93
MEYERS INSP STN	48.94	0.36	0.26	0.77	5.32	1.60	2.97	8.53	8.18	6.04	9.10	3.05	2.74
MEYERS RANGER STN	46.39	0.41	0.31	0.57	5.42	1.57	2.78	8.31	7.77	5.14	8.26	3.01	2.84
MT ROSE HIGHWAY STA	43.61	1.11	0.23	0.81	6.77	1.42	1.77	10.27	4.69	5.21	6.98	1.94	2.47
RENO	11.55	0.38	0.08	0.10	1.55	0.02	0.60	2.51	1.09	0.41	0.82	2.89	1.10
SAGEHEN CREEK	48.14	0.72	0.54	0.24	11.12	2.33	2.52	7.79	4.26	6.09	6.78	3.27	2.48
TAHOE CITY	45.14	0.21	0.29	0.11	8.34	2.28	3.66	5.73	7.62	4.64	7.80	1.82	2.64
TAHOE VISTA	30.22	0.02	0.12	0.04	4.94	1.43	1.80	5.65	3.86	3.88	5.07	1.96	1.45
TRUCKEE R S	42.81	0.86	0.30	0.11	8.53	1.87	2.35	4.42	6.93	5.53	7.66	2.35	1.90
CARSON RIVER													
GROVER HOT SPRINGS	33.53	0.51	0.38	0.52	5.42	1.39	1.41	10.39	1.97	2.62	5.37	1.29	2.26
MARKLEEVILLE	-	0.77	0.85	0.26	2.78	-	0.83	-	-	2.78	4.16	1.62	2.64
MINDEN NEVADA	12.50	0.55	T	T	1.71	0.01	0.59	4.81	0.29	0.82	0.89	0.74	2.09
SMITH 1 N NEVADA	11.26	0.55	0.09	0.18	0.62	0.21	0.17	2.52	1.80	0.37	0.66	1.22	2.87
WOODFORDS	29.33	0.93	0.70	0.17	4.04	0.75	1.11	7.22	2.88	3.28	3.96	2.55	1.74
WALKER RIVER													
BODIE	-	-	-	-	-	-	-	-	-	-	-	1.10	3.47
BRIDGEPORT	14.57	0.81	0.15	0.97	0.40	0.07	0.21	4.27	1.68	1.04	0.42	2.73	1.82
SONORA JUNCTION	-	0.19	0.48	0.60	1.53	0.18	0.61	*	-	2.47	1.00	2.76	1.34
TOPAZ LAKE	-	-	-	-	0.09	0.37	0.62	3.49	4.39	1.77	1.57	1.53	2.66
TOPAZ LAKE NEV	15.02	0.34	0.05	0.18	1.10	0.15	0.44	4.83	2.57	0.70	0.76	1.63	2.27
WELLINGTON R S NEV	14.35	0.59	0.07	0.31	1.01	0.32	0.17	2.71	2.84	0.72	0.71	2.22	2.68

T - Trace
 * - Included in the following measurement.
 - - No record

TABLE 2
STORAGE PRECIPITATION GAGE DATA FOR 1962-63
NORTHEASTERN CALIFORNIA

Station	Agency	1962-63 Season		
		Date Charged	Date Measured	Precipitation in Inches
Ball Mountain Lookout	US Weather Bureau	8/1/62	7/27/63	47.55
Blacks Mountain	US Weather Bureau	7/27/62	7/24/63	30.80
Brockway Summit	US Corps of Engineers	9/26/62	9/6/63	37.34
Brushy Springs GS	DWR Delta Branch	6/21/62	7/10/63	68.19
Butte Lake	DWR Northern Branch	7/1/62	7/12/63	59.20
Camp Pioneer Ski Shelter	US Weather Bureau	9/6/62	9/19/63	75.05
Champs Flat	DWR Northern Branch	6/18/62	7/1/63	26.49
Clarks Peak 1 NE	DWR Delta Branch	7/3/62	7/9/63	29.54
Crowder Flat	DWR Northern Branch	6/20/62	7/3/63	20.11
Crystal Peak	US Forest Service	10/-/62	9/-/63	37.84
Crystal Peak GS	US Forest Service	10/-/62	9/-/63	40.76
Dead Horse Reservoir 2 SE	DWR Northern Branch	6/20/62	7/3/63	17.79
Deer Creek Flat	DWR Northern Branch	6/25/62	7/17/63	34.47
DeWitt Peak 2 WSW	DWR Northern Branch	6/25/62	6/28/63	26.18
Dodge Reservoir 3 NNE	DWR Northern Branch	6/19/62	7/2/63	13.86
Gerle Creek Camp	DWR Delta Branch	7/9/62	7/17/63	70.27
Highland Lakes	DWR San Joaquin Branch	7/10/62	7/23/63	35.79
Hogback Road	DWR Northern Branch	6/26/62	7/16/63	27.80
Lake Alpine	DWR San Joaquin Branch	7/10/62	7/23/63	69.31
Lassen Creek Upper	DWR Northern Branch	7/26/62	7/3/63	21.96
Lights Creek	DWR Delta Branch	7/3/62	7/9/63	48.82
Little Last Chance	DWR Delta Branch	7/3/62	7/10/63	27.83
Long Bell Station	DWR Northern Branch	6/22/62	7/4/63	36.27
Lower Meadow	US Forest Service	10/-/62	9/-/63	36.38
McCarthy Point RS	US Weather Bureau	7/26/62	7/23/63	50.78
Medicine Lake	US Weather Bureau	7/28/62	7/25/63	67.00
Mitchell Canyon	US Forest Service	10/-/62	9/-/63	34.38
Mt. Hough	DWR Delta Branch	7/2/62	7/8/63	46.26
Mt. Shasta Slope	DWR Northern Branch	9/24/62	6/25/63	95.60
Mumbo Basin	DWR Northern Branch	9/25/62	6/26/63	68.91
Onion Valley	DWR Delta Branch	7/2/62	7/8/63	78.66
Patterson Meadow	DWR Northern Branch	6/19/62	7/2/63	28.44
Pepperdines Camp	DWR Northern Branch	6/21/62	7/4/63	31.35
Plaskett	DWR Northern Branch	7/9/62	7/17/63	54.24
Robertson Flat	DWR Delta Branch	7/7/62	7/16/63	98.19
Saddle Camp RS	US Weather Bureau	7/31/62	7/28/63	31.98
Second Summit	US Forest Service	10/-/62	9/-/63	37.51
Stouts Meadow	DWR Northern Branch	9/25/62	6/26/63	116.14
Swain Mountain	DWR Delta Branch	10/19/62	7/9/63	48.56
Sweagert Flat	DWR Northern Branch	6/21/62	7/4/63	31.12
Talbot Camp	DWR Delta Branch	7/7/62	7/15/63	74.04
The Cedars	DWR Delta Branch	7/3/62	7/18/63	80.55
Threemile Valley	DWR Delta Branch	7/3/62	7/10/63	49.44
Twenty Mile Hollow	DWR Northern Branch	6/26/62	6/27/63	31.18
Westville	DWR Delta Branch	6/21/62	7/16/63	79.80
Wrights Lake	US Weather Bureau	7/2/62	8/9/63	65.94
Yuba Pass	US Forest Service	12/12/62	10/10/63	49.17

TABLE 3 (Continued)
 TEMPERATURE DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station		Temperature in Degrees Fahrenheit												
Number	Name	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
A1-6963	PLAINFIELD 1 NW	ABS. MAX.	104	104	104	99	93	88	80	59	70	75	91	103
		AVG. MAX.	70.6	94.8	92.6	87.5	70.8	64.1	50.7	46.5	61.9	60.3	73.4	85.0
		AVERAGE	57.0	72.7	71.6	67.4	59.4	51.2	43.7	38.3	53.3	48.5	50.2	59.9
		AVG. MIN.	43.3	50.6	50.6	47.3	48.0	39.3	36.7	28.1	44.7	36.7	40.0	46.4
		ABS. MIN.	18	45	41	42	39	27	23	18	35	26	30	35
A9-6977	PLEASANT VALLEY	ABS. MAX.	110	109	110	103	98	83	66	65	74	76	79	102
		AVG. MAX.	75.5	101.8	99.4	95.5	76.7	70.4	58.2	52.2	64.9	62.7	60.3	76.2
		AVERAGE	61.3	76.7	78.2	72.8	64.8	56.7	47.6	41.6	55.9	51.6	51.4	63.6
		AVG. MIN.	47.0	55.6	56.9	50.2	53.0	43.0	35.9	31.0	46.9	40.6	42.6	51.4
		ABS. MIN.	18	49	51	43	41	31	16	19	35	31	32	36
A5-6998	PLUMAS EJREKA PARK	ABS. MAX.	89	87	89	86	77	64	56	55	65	61	83	82
		AVG. MAX.	56.6	79.6	77.0	74.5	59.5	49.9	46.6	43.7	51.9	44.2	43.4	64.6
		AVERAGE	45.9	61.0	60.1	57.4	47.2	40.6	36.3	31.5	42.0	34.4	34.6	51.6
		AVG. MIN.	33.2	42.5	43.2	40.3	34.9	31.3	26.0	19.3	32.0	24.5	25.9	38.6
		ABS. MIN.	2	36	35	29	27	19	12	2	24	14	11	27
B1-7000-03	PLYMOUTH 6 NW	ABS. MAX.	100	98	100	94	90	76	62	60	69	68	74	98
		AVG. MAX.	71.1	92.5	91.3	87.4	71.6	64.2	54.5	49.6	62.9	60.7	62.3	84.3
		AVERAGE	58.3	75.0	74.0	69.9	50.2	53.2	44.3	37.8	53.0	48.8	52.1	61.4
		AVG. MIN.	45.4	57.5	56.7	52.4	49.3	42.3	34.1	26.0	43.0	36.8	41.7	50.1
		ABS. MIN.	18	48	41	40	26	20	18	32	30	31	42	46
A9-7018	POPE VALLEY 2 E	ABS. MAX.	105	102	105	99	94	84	70	66	76	76	74	89
		AVG. MAX.	73.2	93.6	92.6	85.9	75.2	65.5	60.9	58.1	67.1	62.6	61.2	72.9
		AVERAGE	58.6	74.0	73.4	66.8	52.0	52.0	43.6	35.8	49.5	50.6	50.6	62.3
		AVG. MIN.	44.1	54.3	54.2	47.8	48.7	38.5	37.1	29.2	44.4	36.4	40.4	47.7
		ABS. MIN.	20	51	46	43	38	30	20	20	34	28	30	36
B2-7156	PRESTON SCHOOL	ABS. MAX.	104	104	104	98	82	76	64	60	72	72	80	103
		AVG. MAX.	73.1	96.5	93.7	90.8	71.1	64.6	52.5	49.2	65.6	62.5	65.7	88.4
		AVERAGE	60.9	78.4	76.6	74.4	61.0	54.0	46.0	40.4	56.0	51.8	55.2	64.7
		AVG. MIN.	48.7	60.2	59.5	58.1	50.8	43.5	39.4	31.5	46.5	41.1	44.7	52.6
		ABS. MIN.	20	54	52	50	42	32	26	20	37	32	34	50
B2-7221-21	RAILROAD FLAT	ABS. MAX.	101	100	101	97	92	85	72	66	76	72	79	94
		AVG. MAX.	72.3	94.3	92.0	89.1	74.0	64.4	60.2	57.1	65.2	58.7	57.5	81.3
		AVERAGE	57.8	74.8	72.9	69.6	59.6	51.8	48.6	43.9	52.8	46.6	47.6	60.2
		AVG. MIN.	43.3	55.4	53.8	50.0	45.2	39.1	37.0	30.7	40.5	34.6	37.7	46.8
		ABS. MIN.	19	45	42	40	35	28	23	19	34	26	26	32
A0-7247-01	RANCHO CORDOVA F S	ABS. MAX.	102	101	102	96	92	79	61	61	72	72	76	100
		AVG. MAX.	73.1	90.4	86.7	73.7	67.6	-	51.5	-	63.0	63.3	74.7	85.3
		AVERAGE	74.9	74.0	70.1	61.9	54.2	-	39.8	-	50.4	53.4	62.4	69.4
		AVG. MIN.	56.7	57.5	53.5	50.0	40.8	-	28.0	-	37.9	43.4	50.0	53.5
		ABS. MIN.	20	52	52	50	44	32	22	20	38	30	34	40
G2-7260	RAVENDALE 15SE	ABS. MAX.	92	92	91	89	79	58	55	56	60	58	66	83
		AVG. MAX.	60.2	84.3	82.3	78.5	61.1	47.0	46.5	41.9	49.9	47.1	48.0	65.9
		AVERAGE	43.9	62.4	60.8	56.2	44.0	36.0	32.9	24.8	38.5	34.0	33.7	50.6
		AVG. MIN.	27.6	40.6	39.2	33.8	26.9	25.0	19.3	7.6	27.1	20.9	19.4	35.3
		ABS. MIN.	-11	34	30	9	4	11	-5	-11	17	10	-2	23
B9-7446	RIO VISTA	ABS. MAX.	105	104	105	98	93	78	65	63	75	74	78	100
		AVG. MAX.	72.1	92.2	92.1	85.9	73.3	66.9	53.6	52.4	66.7	63.8	63.6	72.3
		AVERAGE	61.0	75.4	77.0	71.7	63.5	57.0	47.4	43.2	58.2	53.4	54.9	61.6
		AVG. MIN.	49.9	58.7	62.0	57.5	53.7	47.1	41.1	34.0	49.7	43.1	46.2	50.9
		ABS. MIN.	24	55	56	50	47	36	28	24	41	35	39	47
A6-7591-05	RUMSEY 1 NW	ABS. MAX.	108	104	108	107	96	85	76	69	79	80	80	105
		AVG. MAX.	78.5	97.7	94.7	-	70.6	61.8	59.4	69.5	65.3	64.2	77.5	90.0
		AVERAGE	82.1	80.6	76.8	-	58.5	50.6	46.0	58.6	53.0	53.0	64.5	74.9
		AVG. MIN.	65.7	63.6	58.8	-	46.4	39.3	32.7	47.8	40.6	41.9	51.4	59.8
		ABS. MIN.	23	56	54	50	45	37	28	23	41	34	34	50
A5-7608-05	RUSSELL RANCH	ABS. MAX.	-	-	-	-	-	-	-	-	60	68	80	90
		AVG. MAX.	-	-	-	-	-	-	-	-	49.4	49.6	65.6	73.4
		AVERAGE	-	-	-	-	-	-	-	-	43.6	44.6	58.6	64.5
		AVG. MIN.	-	-	-	-	-	-	-	-	37.9	39.7	51.6	55.6
		ABS. MIN.	-	-	-	-	-	-	-	-	28	30	38	44
A0-7633-53	SACRAMENTO HUFFMAN	ABS. MAX.	100	100	98	93	89	76	63	62	73	74	78	100
		AVG. MAX.	72.2	91.5	87.9	84.5	71.9	64.7	54.7	52.8	66.0	64.5	65.9	85.4
		AVERAGE	62.1	76.4	74.2	71.4	63.4	56.6	49.1	44.5	58.6	55.0	57.4	66.0
		AVG. MIN.	51.9	61.4	60.6	58.3	54.8	48.6	43.5	36.2	51.2	45.4	48.9	59.4
		ABS. MIN.	28	57	57	54	50	38	31	28	44	37	40	54
A0-7635	SACRAMENTO REFUGE	ABS. MAX.	103	103	101	95	87	79	69	72	70	70	78	99
		AVG. MAX.	72.1	96	92	85	72	65	54	51	63	61	63	85
		AVERAGE	60.6	80	76	70	62	54	46	40	56	50	54	72
		AVG. MIN.	49.2	64	61	56	51	44	39	28	48	39	45	60
		ABS. MIN.	22	58	55	43	38	36	25	22	40	28	32	43
B2-7705	SAN ANDREAS R S	ABS. MAX.	103	103	102	98	92	78	72	62	75	70	85	98
		AVG. MAX.	75.2	93.3	89.3	74.6	-	-	54.4	64.9	61.0	59.8	72.2	83.8
		AVERAGE	74.9	73.6	69.7	59.8	-	-	40.4	53.3	47.4	48.3	60.1	66.6
		AVG. MIN.	54.6	53.8	50.1	45.0	-	-	26.5	41.7	33.9	36.8	48.0	49.3
		ABS. MIN.	17	49	42	42	37	26	20	17	31	27	34	38
A5-8012-40	SATTLEY 1 NW	ABS. MAX.	92	91	92	90	81	65	62	53	66	60	67	84
		AVG. MAX.	84.6	83.2	80.1	63.7	54.1	-	45.7	56.3	49.5	51.0	67.9	72.0
		AVERAGE	64.0	63.2	59.8	50.0	41.9	-	31.8	44.5	37.8	39.9	54.0	56.9
		AVG. MIN.	43.5	43.1	39.4	36.2	29.7	-	17.8	32.7	26.0	28.8	40.1	41.8
		ABS. MIN.	39	35	27	24	20	10	-	24	15	14	29	29

TABLE 3 (Continued)
TEMPERATURE DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station		Temperature in Degrees Fahrenheit													
Number	Name	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
04-8074	SECRET VALLEY	Abs. MAX.	-	-	-	78	70	56	56	70	70	79	86	81	
		AVG. MAX.	-	-	-	66.4	56.4	47.3	43.9	59.0	56.5	58.8	74.4	76.4	
		AVERAGE	-	-	-	50.2	42.6	35.1	26.4	45.2	42.2	45.8	57.3	59.7	
		AVG. MIN.	-	-	-	34.1	29.3	24.1	12.9	31.5	28.0	32.7	40.2	43.0	
		Abs. MIN.	-6	-	-	20	14	6	-6	20	18	12	29	24	
02-8154	SHEEP RANCH	Abs. MAX.	101	98	101	93	89	81	74	66	76	71	76	86	93
		AVG. MAX.	72.1	70.9	70.0	68.0	76.0	69.5	62.6	54.5	68.3	59.0	57.6	69.2	79.6
		AVERAGE	57.0	70.7	73.5	69.0	60.4	53.4	49.2	41.6	54.4	47.4	47.0	56.0	61.4
		AVG. MIN.	41.9	50.5	57.0	50.0	44.1	37.3	35.9	28.6	40.6	35.8	36.4	43.2	43.3
		Abs. MIN.	20	40	52	41	37	29	23	20	34	31	29	31	36
B1-8295	SLY PARK	Abs. MAX.	95	92	95	92	87	76	67	62	-	66	68	84	87
		AVG. MAX.	86.5	85.1	82.6	68.5	60.6	55.4	52.1	-	51.8	47.8	65.9	72.9	
		AVERAGE	69.0	67.7	64.4	53.2	46.7	42.2	37.6	-	38.9	37.8	52.4	57.2	
		AVG. MIN.	51.5	50.2	46.3	37.9	32.8	28.9	23.1	-	25.9	27.8	39.0	41.6	
		Abs. MIN.	14	43	43	40	28	23	16	14	-	20	13	26	32
00-8558-03	STOCKTON 5 SW	Abs. MAX.	100	100	100	-	84	77	65	-	71	73	78	92	100
		AVG. MAX.	93.3	91.3	-	72.1	67.4	51.6	-	-	64.4	66.5	-	-	
		AVERAGE	73.0	72.4	-	59.8	54.0	44.5	-	-	51.0	54.8	-	-	
		AVG. MIN.	52.6	53.4	-	47.6	40.6	37.4	26.9	-	37.7	43.0	-	-	
		Abs. MIN.	17	49	48	-	41	30	25	17	34	28	32	40	48
04-8704	SUSANVILLE COURTHSE	Abs. MAX.	97	-	97	92	80	72	53	56	65	61	68	87	88
		AVG. MAX.	-	84.3	82.3	65.3	54.9	43.4	42.8	54.4	49.6	50.4	71.0	74.5	
		AVERAGE	-	66.6	64.4	51.6	43.8	34.8	31.2	44.0	39.6	41.2	57.5	60.6	
		AVG. MIN.	-	48.9	46.5	37.9	32.6	26.1	19.6	33.6	29.6	31.9	44.0	46.6	
		Abs. MIN.	0	-	41	38	28	18	8	0	26	18	19	30	33
A0-8710	SUTTER CITY	Abs. MAX.	101	101	99	96	89	81	64	64	79	73	77	92	102
		AVG. MAX.	72.6	93.1	90.1	86.1	73.2	66.4	54.7	54.9	65.7	62.1	61.9	75.8	87.4
		AVERAGE	59.9	75.6	74.4	70.0	62.4	54.5	47.0	41.6	56.0	50.4	52.0	63.1	72.1
		AVG. MIN.	47.2	58.0	58.6	54.0	51.6	42.6	39.2	28.4	46.4	38.6	42.2	50.4	56.6
		Abs. MIN.	23	52	55	50	45	31	23	27	40	28	32	37	50
G7-8760	TAHOE VISTA	Abs. MAX.	-	88	83	75	65	53	49	60	52	61	78	78	
		AVG. MAX.	-	79.3	75.5	60.8	50.3	48.5	42.7	51.4	44.8	44.3	61.5	67.5	
		AVERAGE	-	60.4	57.6	47.0	38.6	36.8	30.4	40.0	35.8	33.2	47.4	52.0	
		AVG. MIN.	-	41.4	39.8	33.2	27.0	25.2	18.1	28.6	26.8	22.0	33.4	36.5	
		Abs. MIN.	-4	-	36	33	24	11	7	-4	21	4	6	22	28
A5-8793	TAYLORSVILLE	Abs. MAX.	101	100	98	94	82	70	60	57	71	72	80	100	101
		AVG. MAX.	69.3	91.0	84.2	83.1	68.2	59.0	48.7	49.3	61.4	59.6	61.6	82.4	83.5
		AVERAGE	52.2	68.0	63.5	61.5	52.2	45.4	38.1	33.4	48.4	44.0	47.2	62.0	63.2
		AVG. MIN.	35.1	45.0	42.8	39.9	36.3	31.7	27.5	17.6	35.3	28.4	32.7	41.7	42.8
		Abs. MIN.	8	38	38	31	26	22	13	8	26	20	19	32	31
B9-8870	TERMINOUS RCH	Abs. MAX.	102	101	100	93	92	75	61	60	71	70	75	92	102
		AVG. MAX.	70.5	90.9	90.5	84.7	70.4	64.2	49.7	47.4	63.1	62.7	62.7	74.7	84.6
		AVERAGE	57.8	72.0	72.0	67.1	59.4	52.4	43.5	38.2	54.4	50.8	52.4	62.4	68.9
		AVG. MIN.	45.1	53.0	53.4	49.5	48.4	40.5	37.3	28.9	45.8	38.8	42.1	50.0	53.2
		Abs. MIN.	18	46	47	44	39	28	22	18	35	29	33	39	45
A0-8933-01	TUSDALE BYPASS	Abs. MAX.	102	99	101	98	92	76	58	58	70	72	76	96	102
		AVG. MAX.	70.9	92.4	90.3	85.8	71.2	64.1	50.5	48.5	62.1	61.9	62.0	75.6	86.5
		AVERAGE	59.5	74.5	73.0	69.2	61.9	54.0	45.6	40.0	55.1	51.2	53.6	64.0	71.4
		AVG. MIN.	48.1	57.0	55.6	52.6	52.6	44.0	40.8	31.5	48.1	40.4	45.3	52.5	56.2
		Abs. MIN.	22	51	52	47	41	34	28	22	38	30	34	42	50
G9-8970	TOPAZ LAKE	Abs. MAX.	-	-	-	79	68	58	56	63	66	74	88	90	
		AVG. MAX.	-	-	-	65.5	56.2	45.6	41.5	54.7	52.6	57.6	75.6	81.0	
		AVERAGE	-	-	-	51.9	42.6	33.4	28.8	42.2	39.3	44.0	59.6	64.2	
		AVG. MIN.	-	-	-	38.3	29.0	21.2	16.1	29.8	26.0	30.5	43.5	47.3	
		Abs. MIN.	-	-	-	28	15	-	-4	22	14	16	31	36	
A0-8984	TWN AND CNTRY-GANSEY	Abs. MAX.	101	101	101	96	92	60	62	61	75	75	78	92	101
		AVG. MAX.	72.5	92.4	90.5	86.6	72.9	65.0	54.8	53.1	66.7	64.1	64.2	75.1	84.9
		AVERAGE	60.0	74.2	73.7	70.2	62.0	54.4	47.1	42.2	57.0	52.4	54.2	62.9	69.6
		AVG. MIN.	47.5	56.1	56.9	53.7	51.2	43.9	39.4	31.3	47.3	40.6	44.3	50.7	54.3
		Abs. MIN.	21	52	53	48	44	34	24	21	38	31	34	41	48
A0-8984-34	TOWN AND COUNTRY	Abs. MAX.	102	100	102	95	90	78	62	60	74	72	79	93	101
		AVG. MAX.	72.3	93.3	91.4	85.8	72.5	66.2	53.7	51.8	63.8	63.4	64.6	76.1	85.4
		AVERAGE	59.8	74.6	74.2	70.0	61.7	55.2	46.4	41.5	54.6	51.5	54.2	63.2	69.9
		AVG. MIN.	47.2	56.0	57.1	54.1	50.9	44.1	39.2	31.2	45.4	39.6	43.9	50.3	54.4
		Abs. MIN.	22	52	53	51	42	33	25	22	38	31	33	41	47
B9-8995	TRACY FIRE STATION	Abs. MAX.	-	-	94	92	78	68	63	74	75	78	95	102	
		AVG. MAX.	-	-	85.4	74.6	69.0	53.5	52.9	67.7	65.2	65.2	76.3	85.7	
		AVERAGE	-	-	70.5	64.4	57.4	46.6	43.0	58.6	54.4	55.9	64.8	71.3	
		AVG. MIN.	-	-	55.6	54.2	45.7	39.8	33.2	49.6	43.5	46.6	53.4	56.9	
		Abs. MIN.	-	-	50	42	33	24	22	41	37	44	46		
B9-8995-01	TRACY SP	Abs. MAX.	106	103	106	99	90	80	65	62	73	75	80	96	102
		AVG. MAX.	73.1	93.5	92.9	86.7	75.3	68.8	52.6	53.7	65.8	64.7	64.8	74.0	84.8
		AVERAGE	59.6	75.2	75.1	69.7	61.9	54.8	43.5	40.5	52.8	53.4	62.5	70.0	
		AVG. MIN.	46.0	56.9	57.3	52.7	48.5	40.8	34.4	27.3	45.6	40.8	42.0	51.0	55.3
		Abs. MIN.	18	51	53	43	40	29	20	18	35	33	32	35	48
A0-9342	VINA MONASTERY	Abs. MAX.	108	107	108	102	92	83	70	72	73	73	78	100	102
		AVG. MAX.	74.7	97	94	89	74	68	59	56	66	64	64	78	87
		AVERAGE	61.4	80	77	73	62	56	48	42	56	51	54	66	72
		AVG. MIN.	48.2	64	60	57	51	43	38	28	45	38	43	54	58
		Abs. MIN.	21	60	56	52	44	35	25	21	38	26	30	44	50

TABLE 3 (Continued)
 TEMPERATURE DATA FOR 1962-63
 NORTHEASTERN CALIFORNIA

Station		Temperature in Degrees Fahrenheit													
Number	Name	Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
A5-9351	VINTON	ABS. MAX.	94	92	94	91	81	71	63	59	65	60	66	82	81
		AVG. MAX.	82.9	84.0	82.4	81.1	66.3	54.9	49.2	45.8	55.4	48.7	49.1	66.5	71.6
		AVERAGE	46.5	60.8	60.8	56.2	47.1	40.0	36.1	30.1	42.5	36.5	37.4	51.8	55.0
		AVG. MIN.	30.0	37.5	38.3	35.2	31.9	25.0	23.0	14.4	29.6	24.3	25.7	37.1	38.3
		ABS. MIN.	31	29	21	20	15	7	-	21	13	8	24	25	
A6-9454-29	WASHINGTON RIDGE	ABS. MAX.	-	-	-	-	82	80	76	76	69	74	90	98	
		AVG. MAX.	-	-	-	-	73.5	62.9	60.2	61.1	61.2	55.2	52.9	70.9	79.3
		AVERAGE	-	-	-	-	60.2	53.6	53.3	47.8	52.2	44.7	44.3	59.8	65.8
		AVG. MIN.	-	-	-	-	47.0	44.0	40.4	34.5	43.1	34.2	35.7	48.7	52.4
		ABS. MIN.	-	-	-	-	31	23	16	35	25	24	33	41	
A6-9455	WASHINGTON	ABS. MAX.	94	94	94	90	82	62	51	53	66	65	72	89	90
		AVG. MAX.	65.3	89.1	85.8	82.1	64.0	53.4	45.6	44.3	56.5	55.4	56.5	71.7	77.2
		AVERAGE	53.6	70.1	69.2	64.9	53.5	46.6	40.6	36.2	50.2	45.3	47.8	59.3	62.6
		AVG. MIN.	42.3	51.1	50.5	47.7	43.0	39.7	35.5	28.1	42.0	35.2	39.0	46.9	48.4
		ABS. MIN.	16	46	41	39	36	30	22	16	32	28	30	38	40
A6-9526	WENDEL 10 SE	ABS. MAX.	102	102	102	100	83	70	58	58	70	70	78	92	99
		AVG. MAX.	67.5	95	90	88	65	56	46	42	58	56	56	75	81
		AVERAGE	51	74	68	66	50	42	34	28	47	42	44	58	63
		AVG. MIN.	35.2	54	46	43	35	28	22	13	36	28	30	42	45
		ABS. MIN.	-1	42	38	30	25	18	4	-1	25	19	19	31	31
A6-9530	WEST ACRES	ABS. MAX.	102	102	101	96	95	79	62	61	74	74	78	92	102
		AVG. MAX.	72.4	92.8	90.7	86.9	73.6	67.0	53.5	51.8	60.2	64.6	65.4	76.4	86.3
		AVERAGE	59.7	73.9	73.6	70.1	62.5	55.5	46.6	41.6	51.6	52.5	55.0	63.4	70.1
		AVG. MIN.	47.0	59.0	58.4	53.3	51.4	44.0	39.7	31.4	43.0	40.4	44.5	50.4	53.9
		ABS. MIN.	22	52	52	49	44	34	24	22	36	32	35	41	47
A5-9599	WESTWOOD	ABS. MAX.	92	90	89	86	80	66	58	60	68	68	68	88	92
		AVG. MAX.	63.3	84.4	79.0	75.3	61.3	53.6	48.3	46.7	56.9	52.0	54.3	72.5	75.2
		AVERAGE	46.1	63.6	60.3	57.2	48.3	42.3	36.6	31.2	44.9	38.6	41.0	55.8	58.5
		AVG. MIN.	33.0	42.8	41.6	39.0	35.3	31.0	24.8	19.6	32.9	24.1	27.6	39.0	41.8
		ABS. MIN.	2	36	36	31	24	16	8	2	22	12	10	26	32
A4-9650-31	WILLOW CR MURRER RCH	ABS. MAX.	103	95	102	94	78	67	54	56	64	50	66	86	103
		AVG. MAX.	62.6	88	85	81	62	52	44	44	54	48	50	71	75
		AVERAGE	46.8	66	64	60	48	39	33	27	40	36	38	54	57
		AVG. MIN.	30.8	45	42	38	33	26	22	10	27	24	25	38	39
		ABS. MIN.	-8	36	32	24	20	12	2	-8	16	10	8	20	22
62-9704	WILSEYVILLE	ABS. MAX.	100	98	100	95	92	82	72	65	75	69	71	86	93
		AVG. MAX.	69.9	92.0	89.7	86.5	71.3	63.7	58.6	54.7	62.2	57.2	55.8	69.8	77.2
		AVERAGE	58.0	76.0	73.4	70.8	59.6	53.7	49.1	44.7	53.0	46.5	47.0	58.9	63.8
		AVG. MIN.	46.2	59.9	57.2	55.0	47.8	43.7	39.6	34.7	43.7	35.8	38.3	48.0	50.4
		ABS. MIN.	20	56	49	48	39	30	25	20	35	28	27	33	39
A0-9745	WINTERS WOLFSKILL RCH	ABS. MAX.	105	104	104	99	94	79	66	62	76	73	79	95	105
		AVG. MAX.	73.9	97.7	93.9	89.5	73.1	65.3	55.7	51.8	66.1	62.4	63.3	76.7	88.6
		AVERAGE	50.8	77.1	75.3	71.0	62.2	57.0	47.4	40.5	56.8	51.9	53.8	63.9	72.9
		AVG. MIN.	47.7	56.5	56.7	52.4	51.3	45.8	39.2	29.2	47.4	41.4	44.2	51.1	57.2
		ABS. MIN.	21	51	50	48	41	33	22	21	36	33	35	37	48
A0-9781-02	WOODLAND 1 SSW	ABS. MAX.	104	104	104	99	90	79	64	64	76	78	86	100	104
		AVG. MAX.	73.7	95.1	92.6	87.0	73.1	66.1	54.4	53.0	66.8	65.4	66.9	76.6	87.8
		AVERAGE	61.3	76.4	75.4	70.3	63.2	55.5	47.7	43.6	58.2	57.3	56.0	63.8	72.3
		AVG. MIN.	46.9	57.6	58.1	53.6	53.2	44.9	41.0	34.2	49.7	42.0	45.2	51.0	56.8
		ABS. MIN.	27	52	53	48	44	36	28	27	40	33	34	42	52
A0-9781-05	WOODLAND HOLLAND RCH	ABS. MAX.	100	97	96	92	88	72	64	62	75	76	80	91	100
		AVG. MAX.	90.8	-	-	-	72.7	-	-	51.8	66.3	63.5	65.1	75.6	87.3
		AVERAGE	73.1	-	-	-	61.4	-	-	40.3	57.4	51.4	54.2	61.1	71.0
		AVG. MIN.	55.4	-	-	-	50.1	-	-	28.8	46.4	39.2	43.2	46.6	54.6
		ABS. MIN.	22	48	50	48	42	32	25	22	35	26	32	36	48
A0-9783	WOODLAND 3 W	ABS. MAX.	104	101	103	96	93	81	63	62	73	74	79	94	104
		AVG. MAX.	72.6	92.8	91.2	86.9	73.1	66.8	54.4	52.4	65.0	62.3	62.9	76.6	87.1
		AVERAGE	59.2	73.2	72.5	66.4	61.7	54.5	46.6	41.1	55.7	50.8	52.6	62.8	70.5
		AVG. MIN.	45.5	53.6	53.8	49.9	50.3	42.2	36.8	29.8	46.4	39.2	42.2	48.9	53.9
		ABS. MIN.	21	49	48	46	41	32	26	21	36	30	32	37	48
A0-9871	YUBA CITY	ABS. MAX.	105	103	105	102	93	81	62	62	76	76	87	96	105
		AVG. MAX.	73.6	95.2	93.3	90.3	74.2	66.2	53.5	51.8	65.8	63.6	64.4	77.2	88.3
		AVERAGE	60.6	76.4	74.8	71.7	63.1	55.4	46.5	41.4	56.9	52.2	54.4	64.2	72.2
		AVG. MIN.	47.7	57.6	56.2	53.1	52.0	44.6	39.5	31.0	46.0	40.9	44.4	51.3	56.1
		ABS. MIN.	23	52	51	46	46	33	25	23	38	32	34	42	50

TABLE L
EVAPORATION DATA SUMMARY FOR 1962-63
NORTHEASTERN CALIFORNIA

Station		Evaporation in Inches												
Number	Name	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
A0 0161-02	Alturas 2 SE	8.96	8.56	6.22	5.02	1.60	1.00	1.23	1.00	2.36	2.66	5.72	5.31	40.22
A0 0201-01	Anderson 4E	10.37	7.59	6.18	3.96	1.33	2.25	1.25	1.60	2.75	2.05	3.70	1.30	55.23
B8 2232	Antioch Pump Plant 3	11.34	10.69	7.38	4.30	1.95	.93	.81	1.63	3.60	3.92	7.05	10.37	64.05
A9 0705	Berryessa Lake	13.75	11.64	8.32	4.55	1.97	1.22	2.03	2.25	3.20	2.19	7.51	10.39	70.65
A3 0840-11	Black Butte Dam	-	-	9.37	6.35	3.12	1.60	2.57	1.33	3.09	3.49	6.46	12.51	-
A7 0883	Blodgett Exper. Forest	6.05	5.40	4.70	1.71	.75	-	-	-	-	-	-	4.04	-
C7 0931	Boca	9.33	10.26	7.59	4.00	-	-	-	-	-	-	6.07	6.48	-
B2 1423	Camp Pardee	10.71	9.09	6.31	2.64	1.10	.50	.57	1.00	2.04	2.75	4.70	1.52	50.01
G1 1614-03	Cedarville 2E	11.79	11.06	8.71	3.20	2.12	1.01	1.03	1.64	2.32	2.71	7.30	6.86	59.56
G1 1614-10	Cedarville 2 SSE	10.26	10.75	8.55	3.20	2.17	.94	1.15	1.72	2.83	3.28	7.06	10.01	62.56
G1 1614-26	Cedarville 12 SE	12.54	11.58	9.09	3.22	-	-	-	-	-	-	-	7.44	-
A0 1715	Chico Experiment Sta.	11.30	9.60	8.19	3.45	1.20	.60	1.16	2.03	3.72	4.03	6.62	9.13	57.77
A0 2023-07	Corning 3 NE	12.27	9.43	8.05	5.00	2.26	1.61	2.01	1.95	4.35	2.57	7.81	11.96	72.36
A1 2296-01	Davis Creek 1 WNW	13.30	12.02	9.60	3.53	2.04	1.17	1.00	1.30	3.06	-	-	-	-
A1 2296-10	Davis Creek 2 WNW	11.24	11.02	8.34	3.35	1.92	1.09	1.04	1.11	2.90	2.30	3.29	6.61	57.79
A3 2610	East Park Reservoir	13.97	11.29	8.79	5.42	2.30	1.25	1.79	1.73	3.90	4.03	7.17	10.19	71.41
04 3007	Fleming Fish and Game	10.75	10.67	7.90	3.69	-	-	-	-	-	2.57	7.26	7.53	-
A7 3113	Folsom Dam	11.45	10.04	7.50	3.63	1.88	.72	.94	1.51	3.35	3.10	5.48	9.39	50.88
A1 3441-02	Glenburn	13.43	9.01	6.58	3.10	1.18	.79	1.52	1.32	2.00	3.07	6.64	7.92	54.48
B2 4018	Hogan Dam	14.11	12.67	9.75	4.83	2.36	1.07	1.24	2.16	4.07	4.77	6.41	10.10	73.60
B2 4321	Jackson 1 NW	12.30	11.08	8.41	3.82	2.17	1.35	1.43	1.99	3.19	3.46	5.29	9.00	64.03
A2 4709	Lakeshore	10.61	8.30	7.04	3.16	1.41	1.30	1.56	1.46	3.00	-	5.48	7.82	-
A6 4714	Lake Spaulding Dam	13.29	11.95	10.17	7.29	-	-	-	-	-	-	7.23	3.40	-
B0 5032	Lodi	11.73	10.73	7.52	3.51	1.92	.51	1.00	1.51	3.57	4.20	7.20	10.63	64.33
A1 5094	Lookout	11.70	10.40	7.75	3.21	1.11	-	-	-	2.05	2.32	6.01	7.73	-
A1 5094-02	Lookout 3 S	9.84	9.74	6.77	3.27	1.59	.07	.99	1.07	2.33	2.20	6.74	7.75	53.21
B9 5296	Mandeville Island	11.62	9.35	6.25	4.62	2.42	.88	1.21	1.79	3.30	4.38	8.01	10.14	63.97
A9 5818	Monticello Dam	11.46	9.94	7.45	4.23	1.89	1.06	1.33	1.79	2.23	2.25	5.73	9.19	59.60
A3 6178	Newville 1 E	19.58	12.97	9.46	3.78	3.00	1.74	2.57	4.49	4.08	3.65	2.40	1.28	81.20
A5 6527	Oroville Dam	11.70	10.35	-	3.53	2.02	1.01	1.30	1.53	2.66	2.50	5.69	3.80	-
A7 6962	Placerville IFG	10.14	8.61	6.92	3.61	1.92	-	-	1.76	2.42	2.20	4.30	6.82	-
G2 7260	Ravendale 1 SSE	12.50	11.29	9.24	4.27	-	-	-	-	-	-	5.91	5.64	-
A0 7291-04	Red Bluff 6 SE	10.60	9.18	6.56	4.27	2.21	2.35	1.72	1.36	3.62	4.04	6.65	9.89	63.03
B2 7689	Salt Springs PH	9.92	13.00	7.77	4.33	2.61	2.10	2.41	2.36	2.51	1.75	4.30	6.09	56.23
A2 8135	Shasta Dam	12.30	9.62	8.21	4.12	2.57	2.33	2.55	1.66	3.44	3.26	3.29	9.06	65.28
B1 8295	Sly Park	9.09	8.38	6.54	3.32	1.17	0	0	.73	1.58	1.10	3.63	6.01	41.55
B9 8562	Stockton Mowry Bridge	11.26	9.95	7.01	3.44	1.75	.50	.96	1.35	3.11	2.47	7.14	10.40	59.64
A2 8587	Stony Gorge Reservoir	13.04	10.44	7.96	3.04	1.78	1.00	1.47	2.41	3.34	3.73	6.42	9.61	65.04
G7 8758	Tahoe City	7.37	7.02	4.40	-	-	-	-	-	-	-	-	4.94	-
B9 9001	Tracy Pumping Plant	17.80	15.45	11.20	5.72	3.19	.98	1.26	2.46	4.64	5.31	10.24	15.36	93.69
A2 9083	Turntable Creek	11.84	9.42	-	5.10	2.66	3.17	3.22	1.94	3.74	2.63	4.37	8.70	-
A5 9351	Vinton	8.86	9.72	8.11	4.26	.57	-	-	-	-	3.18	5.12	6.43	-
A3 9621	Whiskeytown Reservoir	10.94	9.05	7.04	3.55	1.83	-	-	-	2.70	-	5.41	3.41	-
A0 9699-10	Willows 6 S	12.92	10.60	8.33	4.73	2.11	1.38	1.65	2.59	3.21	4.02	7.46	10.87	69.87
A0 9871-02	Yuba City 7 W	8.95	7.71	5.59	4.05	1.96	1.38	1.63	2.63	3.64	4.36	6.49	9.51	58.40

TABLE 5
EXTREME PRECIPITATION DATA
FOR STORM OF OCTOBER 10-14, 1962
FOR SELECTED STATIONS
NORTHEASTERN CALIFORNIA

Station	Inches of Precipitation For Indicated Number of Consecutive Days								Years of Record	
	1	2	3	4	5	6	8	10		
<u>SACRAMENTO VALLEY FLOOR</u>										
Citrus Heights	October 1962	5.51	7.60	8.63	8.94	9.06	9.06	9.06	9.06	11
	Maximum of Record	2.86	4.79	4.88	5.43	6.17	7.10	8.25	9.22	
Davis	October 1962	3.50	5.86	7.81	7.85	7.85	7.85	7.85	7.85	61
	Maximum of Record	3.93	5.49	5.94	6.48	7.78	8.33	9.56	9.90	
Marysville	October 1962	4.24	7.27	9.26	9.31	9.31	9.31	9.31	9.31	64
	Maximum of Record	3.95	4.73	4.98	5.45	6.46	6.78	8.05	8.90	
Nicolaus	October 1962	3.53	6.94	8.63	8.73	8.73	8.73	8.73	8.73	49
	Maximum of Record	3.42	3.96	4.98	5.23	5.46	6.13	7.30	7.61	
Oroville	October 1962	4.63	8.53	11.93	11.93	12.30	12.30	12.30	12.30	65
	Maximum of Record	4.44	5.89	6.44	8.14	9.59	11.71	14.51	14.51	
Rocklin	October 1962	3.60	7.10	9.10	9.50	9.50	9.50	9.50	9.50	60
	Maximum of Record	4.08	4.84	6.50	7.60	7.65	8.56	10.64	10.71	
Sacramento	October 1962	3.63	5.80	6.69	6.85	6.85	6.85	6.85	6.85	91
	Maximum of Record	5.28	8.37	8.81	9.17	9.17	9.17	11.08	11.44	
Winters	October 1962	2.71	5.13	6.74	6.89	6.89	6.89	6.89	6.89	22
	Maximum of Record	6.83	8.56	8.80	10.31	12.66	12.89	13.98	14.42	
<u>FEATHER RIVER DRAINAGE BASIN</u>										
Brush Creek	October 1962	11.40	18.75	23.70	25.99	26.01	26.01	26.01	26.01	27
	Maximum of Record	9.16	13.40	16.25	21.30	24.60	27.45	30.05	33.56	
Canyon Dam	October 1962	5.20	10.10	12.02	13.27	14.40	14.40	14.40	14.40	49
	Maximum of Record	4.45	7.40	9.38	10.82	13.72	14.58	17.08	18.14	
Chester	October 1962	5.90	10.40	11.90	12.89	13.70	13.70	13.72	13.72	51
	Maximum of Record	4.06	6.06	6.57	7.97	9.06	10.33	11.70	13.30	
Greenville	October 1962	5.77	10.88	15.08	16.48	16.54	16.55	16.55	16.55	35
	Maximum of Record	6.17	10.42	13.33	14.79	15.29	15.64	19.07	19.07	
Las Plumas	October 1962	9.41	16.47	20.19	21.97	22.48	22.48	22.48	22.48	48
	Maximum of Record	7.66	12.00	12.90	14.03	17.19	18.39	22.32	24.35	
Portola	October 1962	3.89	6.34	8.55	9.30	9.64	9.70	9.70	9.70	46
	Maximum of Record	4.18	5.12	5.29	6.69	9.66	10.76	12.30	12.95	
Quincy	October 1962	6.10	11.27	15.97	17.05	17.05	17.05	17.05	17.05	61
	Maximum of Record	6.50	11.80	16.20	17.95	18.65	19.15	23.95	26.05	
Sierraville	October 1962	6.10	11.21	14.40	15.38	15.39	15.39	15.39	15.39	51
	Maximum of Record	5.50	9.90	10.75	10.97	14.23	-	-	19.88	
Strawberry Valley	October 1962	11.32	20.56	24.27	26.74	28.78	28.78	28.78	28.78	14
	Maximum of Record	9.50	17.00	19.55	24.30	31.80	34.84	36.57	40.05	

TABLE 5 (Continued)
 EXTREME PRECIPITATION DATA
 FOR STORM OF OCTOBER 10-14, 1962
 FOR SELECTED STATIONS
 NORTHEASTERN CALIFORNIA

Station	Inches of Precipitation For Indicated Number of Consecutive Days									Years of Record
	1	2	3	4	5	6	8	10		
<u>YUBA-BEAR RIVERS DRAINAGE BASIN</u>										
Bowman Dam	October 1962	7.60	13.09	19.46	21.36	23.35	23.35	23.35	23.35	36
	Maximum of Record	9.92	16.30	21.43	23.75	25.69	27.99	31.66	33.47	
Colgate PH	October 1962	8.05	12.46	14.21	15.24	16.07	16.07	16.07	16.07	55
	Maximum of Record	5.85	6.99	8.94	10.97	12.51	12.55	15.67	15.81	
Deer Creek PH	October 1962	9.14	16.13	20.34	23.15	24.46	24.48	24.48	24.48	53
	Maximum of Record	9.19	16.53	20.27	22.97	28.47	29.72	33.39	36.04	
Dobbins	October 1962	8.10	13.40	15.30	16.45	17.42	17.42	17.42	17.42	58
	Maximum of Record	4.71	8.11	11.55	13.69	14.65	16.00	16.12	16.28	
Downieville	October 1962	8.52	15.81	21.32	23.77	23.77	23.77	23.77	23.77	54
	Maximum of Record	7.47	11.79	14.60	17.50	22.01	25.89	28.07	30.73	
Grass Valley	October 1962	6.20	12.32	18.10	19.92	19.92	19.92	19.92	19.92	62
	Maximum of Record	8.10	11.91	13.66	16.57	21.26	22.24	24.42	27.57	
Nevada City	October 1962	7.07	13.35	19.04	20.96	20.96	20.96	20.96	20.96	72
	Maximum of Record	6.44	8.67	12.46	16.28	19.97	22.94	24.67	26.97	
<u>AMERICAN RIVER DRAINAGE BASIN</u>										
Auburn	October 1962	5.41	9.66	12.56	13.86	13.86	13.86	13.86	13.86	62
	Maximum of Record	4.75	6.65	9.15	11.85	12.54	13.01	13.35	15.49	
Blue Canyon	October 1962	7.37	13.81	19.55	22.02	22.32	22.32	22.32	22.32	21
	Maximum of Record	8.56	13.34	18.55	20.66	26.47	28.79	31.00	34.25	
Colfax	October 1962	10.02	15.39	18.97	20.54	21.36	21.36	21.36	21.36	56
	Maximum of Record	5.97	8.60	12.80	15.02	15.53	17.33	17.79	19.76	
Folsom Dam	October 1962	4.16	7.27	9.13	9.77	9.77	9.77	9.77	9.77	61
	Maximum of Record	3.79	5.89	7.58	8.74	8.80	9.50	9.88	10.94	
Placerville	October 1962	4.25	7.34	9.63	11.39	11.39	11.39	11.39	11.39	63
	Maximum of Record	5.28	7.61	10.41	11.73	12.75	14.27	16.27	18.16	
Twin Lakes	October 1962	3.51	6.34	8.94	9.67	10.06	10.06	10.06	10.06	40
	Maximum of Record	6.01	11.08	14.60	14.76	16.40	20.00	21.75	22.04	
<u>GACHE CREEK DRAINAGE BASIN</u>										
Capay 4 W	October 1962	5.51	6.05	7.77	7.96	7.96	7.96	7.96	7.96	71
	Maximum of Record	4.43	6.53	7.07	9.32	-	10.77	12.41	12.87	
Hobergs	October 1962	8.32	13.66	15.10	15.55	16.22	16.22	16.22	16.22	21
	Maximum of Record	12.72	18.77	20.83	26.49	30.16	30.32	33.54	34.62	
Lakeport	October 1962	4.62	6.50	7.29	7.63	7.70	7.71	7.71	7.71	42
	Maximum of Record	5.43	7.88	8.41	8.41	8.60	9.21	9.90	10.91	
Rumsey 1 W	October 1962	6.50	8.90	9.75	9.90	9.90	9.90	9.90	9.90	27
	Maximum of Record	4.22	8.03	9.68	8.86	10.11	11.11	11.58	13.46	

TABLE 6
EXTREME PRECIPITATION DATA
FOR STORM OF JANUARY 29 - FEBRUARY 1, 1963
FOR SELECTED STATIONS
NORTHEASTERN CALIFORNIA

Station	Inches of Precipitation For Indicated Number of Consecutive Days				Years of Record	
	1	2	3	4		
SACRAMENTO VALLEY FLOOR						
Vacaville	Jan 27-Feb 1, 1963	5.23	9.09	9.67	9.98	72
	Maximum of Record	6.10	7.86	8.30	9.60	
FEATHER RIVER DRAINAGE BASIN						
Strawberry Valley	Jan 29-Feb 1, 1963	11.75	17.14	20.96	21.59	15
	Maximum of Record	11.32	20.56	24.27	26.74	
YUBA-BEAR RIVERS DRAINAGE BASIN						
Downieville	Jan 29-Feb 1, 1963	9.23	14.43	16.32	18.44	55
	Maximum of Record	8.52	15.81	21.32	23.77	
AMERICAN RIVER DRAINAGE BASIN						
Blue Canyon	Jan 29-Feb 1, 1963	8.70	13.96	16.01	17.38	22
	Maximum of Record	3.56	13.81	19.55	22.02	
Pacific House	Jan 29-Feb 1, 1963	7.95	10.87	13.01	13.70	22
	Maximum of Record	7.09	10.66	14.74	15.03	
Twin Lakes	Jan 29-Feb 1, 1963	5.77	11.14	14.95	15.47	41
	Maximum of Record	6.01	11.08	14.60	14.76	
SAN JOAQUIN VALLEY FLOOR						
Stockton FSL	Jan 29-Feb 1, 1963	3.20	4.30	5.10	5.11	96
	Maximum of Record	3.13	3.78	4.49	4.70	
MOKELUNGE-CALAVERAS RIVERS DRAINAGE BASIN						
Salt Springs PH	Jan 29-Feb 1, 1963	5.39	10.56	14.90	15.25	35
	Maximum of Record	6.18	10.29	13.76	14.02	
TRUCKEE RIVER DRAINAGE BASIN						
Boca	Jan 29-Feb 1, 1963	2.88	5.23	6.42	6.70	27
	Maximum of Record	2.00	5.05	6.62	6.78	
Tahoe City	Jan 29-Feb 1, 1963	5.80	9.42	11.33	12.15	54
	Maximum of Record	5.04	9.20	11.82	12.03	
Truckee RS	Jan 29-Feb 1, 1963	5.21	7.82	9.36	9.93	72
	Maximum of Record	4.15	7.91	11.49	11.76	

TABLE 7

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63

Explanation of the Headings and Symbols
Used in the Columns of the Table

Station Number - Refer to the explanation in Chapter I
of the text on "Numbering Systems."

Station Name, Elevation, Section, Township and Range - These
items are self-explanatory.

40-Acre Tract - This denotes the location of the station
within the section in which it is located. The letter
code is derived from this diagram:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Note that the letters "I" and "O" are not used to
avoid confusion with like numbers.

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Latitude and Longitude - The location of the station is
given in degrees, minutes and seconds.

Cooperator Number - This number is assigned from the following list:

- 000 - Private Cooperators
- 001 to 399 - Private Agencies
 - 003 - Pacific Gas and Electric Company
- 400 to 799 - Counties and Municipalities
 - 412 - East Bay Municipal Utility District
 - 419 - Tehama County Flood Control and Water Conservation District
 - 422 - Sacramento County
 - 430 - Sacramento Municipal Utility District
- 800 to 899 - State
 - 801 - Pomology Department, U.C., Davis
 - 802 - Irrigation Department, U.C., Davis
 - 804 - State Department of Beaches and Parks
 - 805 - State Department of Fish and Game
 - 806 - Department of Water Resources
 - 808 - Division of Forestry
 - 809 - Division of Highways
- 900 to 999 - Federal
 - 900 - U. S. Weather Bureau
 - 902 - U. S. Air Force
 - 903 - Corps of Engineers
 - 905 - U. S. Forest Service
 - 907 - State Climatologist (unpublished U.S.W.B.)
 - 911 - Military Weather Stations in California

Cooperator's Index Number - This is the index number assigned to the station by the agency responsible for or handling the records of the station. The U. S. Weather Bureau number is only shown in this column when it differs from the alpha order number.

Record Began, Record Ended - This is the year the record began or ended. If the record continues, or if the beginning or ending year is not known, the column is blank.

Years Missing - This denotes the missing records to the nearest full year and does not include missing records of short duration.

County Code - This is a standard machine processing code for California Counties and adjacent areas as shown below:

Alpine	02	Mono	26	Solano	48
Amador	03	Napa	28	Stanislaus	50
Butte	04	Nevada	29	Sutter	51
Calaveras	05	Placer	31	Tehama	52
Colusa	06	Plumas	32	Yolo	57
El Dorado	09	Sacramento	34	Yuba	58
Glenn	11	San Joaquin	39	State of Oregon	61
Lake	17	Shasta	45	State of Nevada	62
Lassen	18	Sierra	46		
Modoc	25	Siskiyou	47		

TABLE 7

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63
NORTHEASTERN CALIFORNIA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Longitude			Latitude			Cooperator's Index Number	Cooperator's Number	Record Began	Record Ended	Years Missing	County Code	
Number	Name						°	'	"	°	'	"							
A8 0006	ABROTT MINE	1965	SEC 31	T14N	R05W	A M	39	01	24	122	26	48	900	PN0004	1959	1962	17		
A1 0029	ADIN PS	4193	SFC 28	T39N	R09E	D M	41	12	00	120	57	00	900		1894		25		
A1 0029-01	ADIN FLZFA RCH	4200	SFC 08	T38N	R09E	G M	41	09	03	120	57	30	000				18		
A1 0029-15	ADIN- CANNARR	4200	SFC 28	T39N	R09E	L M	41	11	12	120	56	30	000				25		
A8 0034	ADORE CREEK	1530	SEC 05	T12N	R09W	A M	38	55	29	122	52	42	000				17		
A0 0039-34	AFROJFT	140	SFC 21	T09N	R07E	B M	38	37	26	121	12	48	000				34		
G7 0145	AL TAHOF 1 SSE	6265	SEC 03	T12N	R18E	J M	38	55	24	119	58	04	000				09		
R2 0149	ALTAVILLE CDF	1545	SEC 29	T03N	R13E	M	38	05	00	120	33	30	808				25		
A1 0155	ALTURAS 6 SSW	4430	SEC 10	T41N	R12E	M M	41	24	30	120	34	00	000				05		
A1 0156	ALTURAS COPCO	4400	SEC 12	T42N	R12E	B M	41	30	00	120	31	54	000				25		
A1 0158	ALTURAS INSP STN	4410	SEC 33	T43N	R13E	G M	41	31	30	120	28	24	000				25		
A1 0159	ALTURAS 7 ESE	4900	SEC 18	T42N	R14E	N M	41	30	00	120	24	00	000				25		
A1 0161	ALTURAS RS	4365	SEC 13	T42N	R12E	M	41	29	00	120	32	00	900			12	25		
A0 0221	ANTLOPF VALLEY	650	SEC 06	T14N	R04W	F M	39	05	36	122	21	00	000				06		
R8 0227	ANTIOCH FERRERO MILL	28	SEC 17	T02N	R02E	M	38	01		121	45	35	900				07		
R8 0232	ANTIOCH PUMP PLANT 3	60	SEC 26	T02N	R02E	M	37	59		121	44		900				07		
A7 0241	APPLEGATE	2300	SEC 10	T13N	R09E	E M	38	59	36	120	58	09	000				31		
A0 0248-02	APPLECKLE 5 SSW	360	SEC 29	T13N	R02W	A M	38	57	00	122	06	00	000				06		
A0 0255	ARDEN AND MISSION	75					38	35	42	121	21	12	422				34		
A0 0256	ARDEN PARK BAILEY	65	SEC 36	T09N	R05E	D M	38	34	54	121	22	48	000				34		
A7 0383	AURURN	1297	SEC 10	T12N	R08E	M	38	53	58	121	04	07	900				31		
A7 0385	AURURN DIV FORESTRY	1085	SEC 11	T12N	R08E	M	38	53	00	121	04	00	808	040386			31		
A3 0468	BALL MOUNT LOOKOUT	6500	SEC 17	T24N	R08W	M	39	56	00	122	47	00	900				52		
A6 0481	BANGOR FIRE STATION	750	SEC 28	T18N	R05E	M	39	23	25	121	24	28	000				04		
A6 0568	BEAR RIVER HEAD DAM	2000	SEC 22	T15N	R09E	G M	39	07	30	120	57		003				31		
A6 0569	BEAR RIVER RANCH	1225	SEC 01	T13N	R07E	M	39	00	04	121	08	40	000				31		
A0 0584	BEALE AFR	113	SEC 20	T15N	R05E	M	39	07	50	121	25	38	900	PN0560			58		
A5 0612	BECKWORTH	4880	SEC 26	T23N	R14E	M	39	50	00	120	23	00	809				32		
R0 0639	BELLOTA ANDERSON	130	SEC 05	T02N	R09E	M	38	03	06	121	05	00	000				39		
A9 0705	BERYESSA LAKE	455	SEC 07	T08N	R03W	K M	38	33	07	122	13	03	900				28		
A1 0731	BIFBER	4130	SFC 23	T38N	R07E	E M	41	07	18	121	08	25	900				18		
A1 0731-05	BIFBER BARCOCK	4100	SFC 02	T37N	R07E	D M	41	04	45	121	08	22	000				18		
A1 0731-08	BIFBER 4NW	4190	SEC 05	T38N	R07E	K M	41	09	40	121	11	20	000				18		
A1 0733	BIFBER CARY	4125	SFC 23	T38N	R07E	E M	41	07	48	121	08	36	000				18		
A6 0747	RIG REND R S	5739	SEC 28	T17N	R13E	M	39	18	00	120	31	00	900	PN1768			31		
A3 0840-11	BLACK BUTTE DAM	425	SEC 32	T23N	R04W	H M	39	48	30	122	19	45	903				52		
A0 0841	BLACK BUTTE RANCH	375	SEC 03	T22N	R04W	M M	39	47	18	122	18	12	000				11		
A1 0867	BLACKS MTN	7200	SEC 33	T34N	R07E	M	40	46	00	121	12	00	900				18		
A7 0883	BLOODGETT EXP EST	4414	SFC 08	T12N	R12E	D M	38	54	35	120	40	00	000				09		
A7 0897	BLUFF CANYON WR AP	5280	SFC 02	T16N	R11E	P M	39	16	42	120	42	28	900				31		
G7 0931	BOCA	5532	SFC 28	T18N	R17E	D M	39	23		120	06		900				29		
G9 0945-02	BOJIF																	29	
A5 1018	BOWMAN DAM	5347	SEC 08	T18N	R12E	M	39	27	00	120	40	00	900				29		
R9 1043	BRANNAN ISLAND	35	SEC 13	T03N	R02E	M	38	06	30	121	41	50	804				34		
R9 1059	BRANTWOOD	85	SEC 24	T01N	R02E	R M	37	55	12	121	41	48	000	041059			12	07	
R8 1060	BRANTWOOD 6 SW	325	SEC 32	T01N	R02E	M	37	53		121	47		900				07		
G9 1072	BRIIDGEPORT	6470	SEC 28	T05N	R25E	M	38	15	00	119	14	00	900				26		
A6 1074	BRIIDGEPORT 25 NEV CD	975	SFC 04	T16N	R07E	G M	39	16	40	121	12	00	000				29		
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K M	39	16		120	04		900				29		
A3 1112	BROOKS FARNHAM RANCH	300	SEC 36	T11N	R03W	L M	38	45	36	122	09	00	900				57		
A0 1117-58	BROWNS VALLEY 2 NE	350	SEC 11	T16N	R05E	D M	39	15	48	121	23	07	000				58		
A5 1130	BRIISH CREEK R S	3560	SEC 07	T21N	R06E	M	39	41	00	121	20	00	900				04		
A7 1133	BRIISHY SPRINGS G S	4800	SFC 06	T13N	R13E	M	39	00	20	120	34	40	900				31		
A1 1147	BUCK CREEK R S	5195	SFC 07	T46N	R15E	M	41	52	24	120	17	30	905				25		
A5 1159	BUCKS CREEK PH	1760	SFC 29	T24N	R06E	M	39	54	30	121	19	42	900	PN1153			32		
A5 1161	BUCKS LAKE	5200	SEC 33	T24N	R07E	F M	39	53	40	121	12	12	900				32		
A5 1162	BUCKS STORAGE RES	5200	SFC 33	T24N	R07E	F M	39	53	40	121	12	12	003				32		
R0 1171	BUENA VISTA	295	SFC 18	T05N	R10E	A M							412				03		
A6 1180	BULLARDS BAR PH	1800	SEC 24	T18N	R07E	M	39	25		121	08	30	900				58		
A1 1214	PURNEY	3127	SEC 20	T35N	R10E	D M	40	53	00	121	40	00	900				45		
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F M	40	33	48	121	18	06	000				18		
R2 1277	CALAVRAS BIG TREES	4696	SEC 22	T05N	R15E	M	38	17	00	120	19	00	900				05		
A7 1359-01	CAMINO DRIVER	3100	SFC 33	T11N	R12E	M	38	45		120	39		000				09		
R2 1428	CAMP BARDEF	658	SFC 26	T05N	R10E	M	38	15	00	120	51	00	900				05		
A5 1433	CAMP BIONEFER SKI CHL	5565	SFC 01	T20N	R12E	M	39	38	00	120	34	00	900				46		
A6 1462	CAMPTONVILLE P S	2760	SFC 02	T18N	R08E	M	39	27	00	121	02	00	900				58		
A1 1475	CANBY 11 SW	4505	SFC 21	T41N	R08E	O M	41	22	18	121	03	00	900				25		
A1 1476	CANBY PS	4312	SFC 30	T42N	R10E	N M	41	27	00	120	52	00	900				25		
A5 1497	CANYON DAM	4555	SFC 28	T27N	R08E	M	40	10	00	121	05	00	900				32		
A8 1500	CARAY 4 W	290	SFC 20	T10N	R02W	D M	38	42	12	122	07	00	000				57		

TABLE 7 (Continued)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63
NORTHEASTERN CALIFORNIA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							°	'	"	°	'	"						
A5 1522	CADIPON RH	2990	SFC 25	T26N	R07E		M	40	05	12	121	09	00	900		1921			32
A7 1540	CARMICHAEL	125	SEC 28	T09N	R06E		M	38	36	24	121	19	06	000		1954			34
G7 1556-26	CARSON CITY NEVADA	4675	SFC 17	T15N	R20E		M	39	10	00	119	46	00	900	261485	1875		17	62
A2 1576-51	CASTLE CRAGS S P	2026	SFC 15	T38N	R04W	N	M	41	08	53	122	19	13	000		1961			45
G1 1614	CEDARVILLE	4670	SFC 08	T42N	R16E		M	41	31	42	120	10	24	900		1894			25
G1 1614-05	CEDARVILLE HANSEN	4450	SFC 12	T41N	R16E	C	M	41	26	22	120	05	50	000		1957			25
G1 1614-26	CEDARVILLE 12 SE	4800	SEC 04	T41N	R18E	C	M	41	26	48	119	59	18	000		1960			62
P1 1616	CEDARVILLE TREE FARM	2600	SFC 03	T08N	R12E	N	M	38	34	08	120	38	50	000		1960			09
A4 1624	CENTERVILLE POWER H	522	SEC 05	T22N	R03E		M	39	47	00	121	40	00	900		1914			04
A0 1634-01	CENTRAL VALLEY BURNS	765	SEC 31	T33N	R04W	G	M	40	40	36	122	21	54	000		1958			45
A0 1635-01	CENTRAL VAL HATCHERY	38	SFC 36	T07N	R05E	A	M	38	25	00	121	22	00	805		1956			34
G3 1644	CHAMPS FLAT W MEADOW	5590	SFC 27	T33N	R09E	M	M	40	41	42	120	57	30	000		1959			18
A6 1653	CHALLENGE RANGER STA	2575	SFC 30	T19N	R07E		M	39	29	00	121	14	00	900		1937			58
A5 1700	CHESTER	4530	SEC 08	T28N	R07E		M	40	18	00	121	13	00	900		1909			32
A0 1715	CHICO EXPERIMENT STA	205	SEC 05	T21N	R02E		M	39	42	00	121	47	00	900		1870			04
A0 1716-01	CHICO AIRPORT	220	SFC 34	T23N	R01E	P	M	39	47	54	121	51	12	000		1959			04
G6 1721	CHILCOOT 3 SE	4875	SFC 04	T22N	R17E	F	M	39	47	00	120	05	00	000		1959			18
A5 1722	CHILCOOT	5000	SEC 36	T23N	R16E	L	M	39	47	53	120	08	22	000		1961			32
A0 1767	CITRUS T RANCH	205	SFC 08	T07N	R01W	L	M	38	27	54	121	59	48	000		1949			48
A0 1773	CITRUS HEIGHTS	138	SEC 23	T10N	R06E	L	M	38	42	28	121	17	48	900		1952			34
A0 1782	CLARKS VALLEY MUDN	410	SEC 35	T20N	R05W	E	M	39	32	54	122	23	54	000		1957			11
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40	13	00	120	29	48	000		1958			32
R9 1784	CLARKSBURG	14	SEC 34	T07N	R04E	F	M	38	25	00	121	32	00	900		1936			57
R0 1785	CLAY 1 NW	100	SEC 29	T06N	R07E	O	M	38	21		121	18	412		1931		02	34	
A8 1806	CLFARLAKF HIGHLDS	1320	SFC 20	T13N	R07W	M	M	38	58	00	122	39	00	900		1954			17
A3 1809	CLFARLAKF OAKS 7 E	1030	SFC 06	T13N	R06W	R	M	38	59	54	122	33	22	000		1963			17
A3 1809-01	CLFARLAKF OAKS FCC	1480	SEC 35	T14N	R08W	C	M	39	01	28	122	42	50	808		1959			17
R0 1813	CLFMENTS	120	SFC 16	T04N	R08E	G	M	38	12	15	121	05	55	412		1926			39
A0 1854	CLIFF RANCH	445	SFC 32	T12N	P07E	G	M							000		1955			31
A3 1880	CORR	2520	SFC 10	T11N	R08W	A	M	38	49	30	122	43	18	000		1923			17
A8 1882	CORR 2 NW	2600	SFC 05	T11N	R08W		M	38	50		122	46	900		1961			17	
A4 1890-01	COHASSET 2 NNF	3180	SFC 14	T24N	R02E	B	M	39	56	42	121	43	12	900		1962			04
A0 1907	COLFMAN FISH HATCHERY	420	SEC 01	T29N	R03W		M	40	24		122	09	900		1943			45	
A7 1912	COLFAX	2418	SEC 03	T14N	R09E	H	M	39	05	51	120	57	12	900		1870			31
A7 1912-01	COLFAX FIRE STATION	2325	SEC 02	T14N	R09E	M	M	39	05	30	120	56	48	808		1960			31
A6 1916	COLGATE POWER HOUSE	585	SEC 16	T17N	R07E		M	39	20	00	121	11	00	900		1907			58
R9 1919	COLLINSVILLE	34	SEC 22	T03N	R01E	F	M	38	05	26	121	51	17	000		1947			48
A7 1922	COLOMA	785	SFC 17	T11N	R10E		M	38	48		120	53	28	804		1961			09
A0 1948	COLUSA 1 SSW	60	SEC 30	T16N	R01W		M	39	12	00	122	01	00	900		1948			06
A7 1985	COOL	1525	SFC 18	T12N	R09E		M	38	53		121	01	900		1959			09	
A0 1989	COON CREEK	1055	SEC 13	T13N	R07E	P	M	38	58	00	121	08	00	000		1956			31
A0 1989-05	COON CREEK EXP PLAT	500	SEC 17	T13N	R07E	F	M	38	58	48	121	13	16	802		1958			31
A0 2023-03	CORNING UHL															1958			52
A0 2023-04	CORNING JORE	307	SEC 20	T24N	R03W	D	M	39	55	42	122	13	48	000		1958			52
A0 2027	CORNING HOUGHTON RCH	487	SEC 25	T24N	R05W	M	M	39	54	00	122	22	00	900		1948			52
A0 2070	COTTONWOOD 7W	475	SEC 10	T29N	R05W	R	M	40	22	36	122	24	30	000		1956			45
A0 2073-34	COUNTRY CLUB CENTRE	56	SEC 25	T09N	R05E	D	M	38	36	28	121	23	19	000		1961			34
A1 2085	COVE RANCH	4900	SEC 18	T47N	R13E	C	M	41	55	18	120	31	12	000		1963			25
B0 2156	CRESCENZI RANCH	33	SEC 33	T04N	R06E	A	M	38	10	18	121	20	12	412		1955			39
F1 2188	CROWDER FLAT	5175	SEC 20	T47N	R11E	K	M	41	53	00	120	44	00	000		1958			25
G7 2202	CRYSTAL PFAK G S	6850	SEC 15	T20N	R17E	C	M	39	35	30	120	04	30	911		1959			46
G7 2202-46	CRYSTAL PFAK	8010	SEC 28	T20N	R17E	G	M	39	33	24	120	05	15	911		1962			46
A8 2224	CUNNINGHAM	1421		T13N	R09W		M	38	57	00	122	52	00	900		1954			17
R1 2252	D AROSTINI WINERY	1820	SEC 21	T08N	R11E	L	M	38	31	50	120	46	26	000		1962			03
G4 2260	DAYIN FISH AND GAME	4000	SEC 02	T28N	R14E	F	M	40	19	00	120	22	00	000		1958			18
A4 2266	DALFC	600	SEC 03	T28N	R02W	A	M	40	18	48	122	09	12	000		1951		01	52
A1 2269	DANA 2 SE	3320	SFC 31	T38N	P04E	N	M	41	05	42	121	31	900		1957			45	
A0 2274	DAN BFST RANCH	45	SEC 21	T11N	R02E	N	M	38	46	48	121	45	35	000		1941			57
A0 2276	DANTONI ORCHARD	77	SEC 09	T15N	R04E	R	M	39	09	36	121	31	24	000		1958			58
A4 2283	DARRAH FISH HATCHERY	975	SEC 29	T30N	R01W	B	M	40	25	54	121	59	42	805		1956			45
A0 2294	DAVIS IWSW	51	SEC 16	T08N	R02E	K	M	38	32	12	121	45	28	900		1871			57
A0 2294-02	DAVIS STATE NURSERY	28	SEC 07	T08N	R03E	F	M	38	33	18	120	40	48	808		1931		05	57
A7 2294-04	DAVIS 3 S	45	SEC 27	T08N	R02E	O	M	38	30	12	121	44	28	000		1926			48
A0 2294-05	DAVIS 2 WSW	61	SEC 19	T08N	R02E	A	M	38	31	50	121	47	22	000		1918			57
A0 2294-06	DAVIS 2 NNW																		
A1 2296	DAVIS CREEK	4750	SFC 20	T45N	R14E	G	M	41	43	48	120	22	30	900		1957			25
A1 2306	DAY	3650	SEC 15	T39N	R05E	R	M	41	12	54	121	23	18	900		1940			25
A1 2320	DEAD HOPSE PFS 2 EF	5075	SEC 35	T45N	R12E	L	M	41	42	00	120	33	00	000		1959			25
A4 2322	DEEP CREEK	4760	SEC 26	T28N	R05E	G	M	40	15	30	121	23	18	000		1963			52
A6 2334	DEER CREEK PH	3700	SEC 35	T17N	R10E		M	39	18	00	120	51	00	900		1907			29

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Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						o	'	"	o	'	"						
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J M	40	01	16	121	49	34	419		1960			52
A0 2367	DEL PASO PARK	90	SEC 07	T09N	R06E	J M	38	40	00	122	24	00	000		1954			34
A4 2402	DE SARLA	2700	SEC 11	T23N	R03E	M	39	52	00	121	37	00	900		1904			04
A7 2414	DEWEY AND WINDING WY	160				M	38	38	54	121	18	24	422		1959			34
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R M	40	08	43	121	58	23	419		1960			52
A1 2435-50	DIAMOND SPRINGS	1780	SEC 30	T10N	R11E	M M	38	41	20	120	48	45	000	PN2431	1959			09
A0 2451	DIXON MORRIS	60	SEC 24	T07N	R01E	R M	38	26	42	121	49	38	000		1960			48
A0 2451-01	DIXON	79	SEC 23	T07N	R01E	M	38	26	54	121	49	24	000		1924			48
A0 2451-02	DIXON 6 E	32	SEC 14	T07N	R02E	L M	38	27	00	121	43	000		1949			48	
A9 2451-10	DIXON VOICE-AMERICA	28	SEC 09	T06N	R02E	C M	38	23	04	121	45	27	000		1962			48
G7 2453	D.L. BLISS STATE PARK	6775	SEC 16	T13N	R17E	B M	38	58	43	120	06	05	804		1962			09
A5 2457	DOBBS F.F.S.	1800	SEC 31	T18N	R07E	A V	39	27	53	121	13	15	808		1957			58
A5 2458	DOBBS COLGATE FERRY	1550	SEC 09	T17N	R07E	M	39	21	00	121	12	00	900		1904			58
G2 2450	DOGGE RESERVOIR 34NE	6400	SEC 11	T36N	R16E	C M	41	00	30	120	07	30	000		1959			19
G7 2463	DOG VALLEY GUARD STA	5880	SEC 26	T20N	R17E	A M	39	33	35	120	02	57	911		1958			46
G7 2463-01	DOG CREEK WATERSHED 1	6600	SEC 27	T20N	R17E	L V	39	33	18	120	04	38	911		1960			46
G7 2463-02	DOG CREEK WATERSHED 2	7150	SEC 27	T20N	R17E	D M	39	33	52	120	04	55	911		1960			46
G7 2467	DOONER MEM ST PARK	5937	SEC 17	T17N	R16E	M	39	19	00	120	14	00	900		1953			29
R2 2493	DOUBLE SPRINGS RCH	900	SEC 08	T04N	R11E	D M	38	12	48	120	46	30	000		1957			05
A5 2500	DOWNFVILLE R S	2895	SEC 35	T20N	R10E	M	39	34	00	120	50	00	900		1908			46
G6 2504	DOYLE	4240	SEC 08	T25N	R17E	P M	40	01	42	120	06	12	900		1923			18
G6 2506	DOYLE 55SE	4385	SEC 04	T24N	R17E	M	39	57	00	120	05	00	900		1956			18
A6 2513	DRUM FOREBAY	4640	SEC 16	T16N	R11E	G M	39	14	54	120	45	12	003		1915			29
R1 2518	DRYTOWN-VAIRA RANCH	750	SEC 22	T07N	R10E	K V	38	26	30	120	51	30	000		1954			03
A0 2543	DUNFOUR	65	SEC 34	T11N	R01E	A M	38	45	48	121	50	24	000		1936			57
A0 2568	DUNNIGAN	65	SEC 15	T12N	R01W	M M	38	53	08	121	57	55	900		1877		20	57
A0 2569	DUNNIGAN POWERS RCH	104	SEC 17	T12N	R01W	J M	38	53	15	121	59	20	000		1929			57
A0 2569	DUNNIGAN - POWERS	104	SEC 17	T12N	R01W	J M	38	53	15	121	59	20	000		1930			57
A2 2572	DUNSMUIR R S	2420	SEC 13	T39N	R04W	M	41	13	00	122	16	00	900		1889			47
A3 2590	EAGLE CR	950	SEC 12	T30N	R07W	D M	40	28	24	122	36	36	000		1963			45
G3 2595-02	EAGLE LAKE NELSON	5121	SEC 07	T32N	R11E	G M	40	39	05	120	46	20	000		1960			18
G1 2599-04	EAGLEVILLE 7SSE	4550	SEC 29	T39N	R17E	C M	41	13	30	120	04	00	000		1958			25
G1 2599-06	EAGLEVILLE 2SE	4450	SEC 31	T40N	R17E	K M	41	17	18	120	05	12	000		1963			25
A3 2640	EAST PARK RESERVOIR	1205	SEC 03	T17N	R06W	M	39	22	00	122	31	00	900		1910			06
A7 2720	EL DORADO FFS	1580	SEC 34	T10N	R10E	E M	38	40	50	120	52	05	808		1955			09
A7 2721	EL DORADO PH	1920	SEC 22	T11N	R12E	B M	38	47	37	120	37	05	003		1936			09
R2 2728	ELFCTRA PH	715	SEC 33	T06N	R12E	E M	38	20	00	120	40	00	900		1904			03
A0 2742	ELK GROVE F D	45					38	25		121	22		422		1962			34
A0 2744	ELYHORN FERRY	20	SEC 35	T10N	R03E	M M	38	40	30	121	38	00	000		1959			57
R0 2760	ELLIOTT	90	SEC 34	T05N	R07E	M	38	14	00	121	11	00	900		1926			39
A0 2881-02	ESPARTO PATERSON RCH	192	SEC 19	T10N	R01W	M	38	42	02	122	00	52	000		1958			57
R0 2909	EUGENE STUART RANCH	173	SEC 22	T01N	R10E	K M	37	55	15	120	51	24	903		1923			50
A0 2948	FAIR OAKS	170	SEC 07	T09N	R07E	M	38	38	24	121	14	36	000		1954			34
R0 2970-02	FARMINGTON	111	SEC 20	T01N	R09E	N M	37	55	00	121	00	00	000		1877		06	39
A5 2994	FEATHER FALLS	2965	SEC 14	T20N	R06E	M	39	36	00	121	15	00	900		1938			04
A0 3020	FERGUSON RANCH	800	SEC 20	T29N	R05W	M	40	21	00	122	27	00	900		1951			52
R1 3038	FIDDLETOWN LYNCH RCH	2100	SEC 20	T08N	R12E	M	38	31	00	120	42	00	900		1937			03
A8 3055	FINLEY 1 NNE	1340	SEC 33	T14N	R09W	M	39	01	00	122	52	00	900		1954			17
A8 3056	FINLEY 1 SSE	1377	SEC 08	T13N	R09W	R M	38	58	58	122	52	30	900		1957			17
A8 3057	FINLEY 5 SW	1750					38	58	00	122	57	00	900		1957			17
G4 3087	FLEMING FISH & GAME	4700	SEC 21	T29N	R15E	N M	40	21	10	120	18	12	900		1958			18
A3 3092	FLOOD RCH	595	SEC 02	T22N	R06W	R M	39	47	18	122	30	00	000		1940			11
A3 3098	FLOURNOY 8 NW	965	SEC 04	T24N	R06W	C M	39	58	12	122	33	00	000		1959			52
A7 3113	FOLSOM DAM	350	SEC 24	T10N	R07E	M	38	42	00	121	09	00	900		1955			34
A0 3122-34	FOOTHILL FARMS	118	SEC 05	T09N	R06E	B M	38	40	07	121	20	34		1962			34	
A5 3127	FORBESTOWN	2900	SEC 03	T19N	R06E	D M	39	31	43	121	16	52	000		1919			04
A7 3134	FORESTHILL R S	3200	SEC 35	T14N	R10E	M	39	01	00	120	50	00	900		1937			31
G1 3157	FORT RIDWELL	4498	SEC 17	T46N	R16E	M	41	51	00	120	06	00	900		1866			25
G1 3157-01	FORT RIDWELL 7NE	5300	SEC 19	T47N	R17E	B M	41	56	00	120	03	48	000		1960		21	25
A6 3240	FRENCH CORRAL	1522	SEC 26	T17N	R07E	F M	39	18	27	121	09	42	000		1961			29
A3 3242	FRENCH GULCH	1100	SEC 22	T33N	R07W	M	40	42	00	122	38	00	900		1952			45
A7 3252-09	FRESH POND	3700	SEC 33	T11N	R13E	F M	38	45	37	120	32	05	430		1962			09
A0 3266-11	FRUITIDGE AND HEDGE	45	SEC 30	T08N	R06E	F M	38	11	18	121	21	48	422		1959			34
A0 3267-02	FRUTO 2	610	SEC 17	T20N	R05W	L M	39	35	18	122	27	06	000		1960			11
A6 3272	FULLER LAKE	5360	SEC 17	T17N	R12E	R V	39	20	42	120	38	54	000		1960			29
R0 3301	GALT	46	SEC 27	T05N	R06E	M	38	15	08	121	18	00	000		1877			34
R0 3301-01	GALT WATER DIST	45	SEC 27	T05N	R06E	M M	38	14	45	121	18		412		1959			34
A7 3338	GARDEN VALLEY 2 S	1940	SEC 35	T12N	R10E	V	38	50	00	120	51	00	900		1946			09
A0 3358	GATES CANYON	1200	SEC 03	T06N	R02W	N M	38	23	25	122	04	40	000		1927		07	48
A7 3381	GEORGETOWN	2701	SEC 11	T12N	R10E	M	38	54		120	51		900		1872			09

TABLE 7 (Continued)

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Station		Elevation (In feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude				Longitude				Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						o	'	"	o	'	"	o	'					
A7 3384	GEORGETOWN R S	3001	SFC 06	T12N	R11E	M	38	55	00	120	48	00	900		1946			09	
A7 3388	GERLF CREEK CAMP	5500	SFC 11	T13N	R14E	M	38	59	00	120	23	00	900		1945			09	
A2 3405	GIRSON HMS	1435	SFC 02	T36N	R05W	K	41	00	36	122	24	24	809		1959			45	
G7 3439-26	GLENN BROOK NEVADA	6400	SEC 10	T14N	R18E	M	39	05	00	119	56	00	900	263205	1944			62	
A1 3441-01	GLENNBURN	3300	SFC 10	T37N	R04E	H	41	03	45	121	29	15	000		1958			45	
A0 3460	GLENN COLUSA HDGATE	160	SFC 02	T22N	R02W	H	39	47	18	122	03	00	000		1955			11	
A7 3491	GOLD RUN	3240	SEC 04	T15N	R10E	M	39	10	00	120	52	00	900		1899			31	
A1 3510	GOOSE LAKE WEST	4886	SEC 32	T47N	R13E	D	41	52	00	120	30	00	900		1959	1963		25	
R9 3541	GRAND ISLAND R D 3	48		T04N	R03E	M	38	11	48	121	37	06	000		1938			34	
A6 3571	GRASS VALLEY	2693	SEC 27	T16N	R08E	B	39	13	33	121	03	33	900		1872			29	
A7 3612-34	GRFEN VALLEY																		
A5 3621	GRFENVILLE RS	3560	SFC 03	T26N	R09E	M	40	08		120	56		900		1894		30	32	
A7 3625	GRFENWOOD 1 SE	1600	SEC 18	T12N	R10E	D	38	53	04	120	54	10	000		1950			09	
A0 3640	GRIDLEY BUTTF W D	90	SEC 36	T18N	R02F	K	39	22	00	121	41	42	000		1923			04	
A0 3640-01	GRIDLEY F F S	90	SEC 19	T18N	R03E	M	39	23	48	121	41	12	808		1941			04	
R1 3649	GRIZZLY FLATS	3930	SEC 15	T09N	R13E	M	38	38	00	120	32	00	900		1940			09	
G8 3675	GROVER HOT SPRINGS	5800	SEC 19	T10N	R20E	L	38	41	45	119	49	28	804		1962			02	
A8 3687	GUINDA	360	SEC 04	T11N	R03W	F	38	50		122	11	47	000		1896		08	57	
A5 3725	HAMILTON BRANCH PH	4560	SEC 21	T28N	R08E	M	40	16	00	121	05	00	900		1953			32	
A3 3791	HARRISON GULCH R S	2710	SEC 14	T29N	R10W	M	40	22	00	122	58	00	900		1943			45	
A6 3800	H L ENGLEBRIGHT DAM	580	SEC 14	T16N	R06E	M	39	14	00	121	16	00	900	PN9182	1951			29	
A1 3821	HAT CREEK RS	3348	SEC 15	T34N	R04E	M	40	48	00	121	30	00	900		1940			45	
A1 3824	HAT CREEK PH NO 1	3015	SEC 32	T36N	R04E	M	40	56	00	121	33	00	900		1921			45	
A0 3870-11	HAZEL S. ROFDIGER LANF	150		T09N	R07E	M	38	39	23	121	13	32	422		1960			34	
R0 3919	HERALD F.S.	70		T05N	R07E	M	38	17	45	121	14	30	422		1962			34	
G6 3922	HERLONG S O D	4083	SFC 31	T27N	R17E	K	40	09		120	06		911		1951			18	
A6 3946	HIDDEN VALLEY RANCH	1480	SFC 33	T14N	R08E	B	39	01	30	121	05	48	900		1952			29	
R2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	D	38	29	48	119	47	48	900	003954	1960			02	
A8 3964	HIGH VALLY MITCHELL	1785	SEC 23	T14N	R08W	K	39	02	47	122	42	30	000		1958			17	
A8 3964-17	HIGH VALLY RANCH	1792	SEC 13	T14N	R08W	D	39	03	22	122	41	29	000		1961			17	
A9 4010	HOFERGS	2960	SEC 35	T12N	R08W	M	38	51	00	122	43	00	900		1930			17	
R2 4018	HOGAN DAM	749	SFC 31	T04N	R11F	M	38	09	18	120	48	50	903		1961			05	
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F	40	13	27	122	00	03	419		1960			52	
R9 4041	HOLT 2 FSE			T01N	R05E	M	37	55	42	121	23	30	000		1959			39	
A8 4097	HORLAND 8NF	2510	SFC 32	T14N	R10W	M	39	01	00	123	00	00	900		1939			17	
A0 4123-31	HORSESHOE BAR	625	SEC 08	T11N	R08F	N	38	48	04	121	07	58	000		1962			31	
A3 4166	HUNTER DIST GRAVES	770	SFC 16	T27N	R06W	D	40	11	12	122	33	00	900		1950			52	
A5 4185-25	HURLETON	1600	SFC 14	T19N	R05E	N	39	29	57	121	23	17	000		1963			04	
A3 4219	IGO 2W	1090	SFC 32	T31N	R06W	C	40	30	05	122	34	12	000		1956			45	
A6 4248-50	INDIAN ROCK	2200	SFC 10	T18N	R07E	B	39	26	14	120	10	25	000		1954			58	
R2 4283	IONF	287	SFC 24	T06N	R09F	M	38	20	53	120	56	20	900		1878		34	03	
R0 4283-01	IONE 2 NW	263	SEC 14	T06N	R09E	N	38	22	18	120	58	00	000		1949			03	
A7 4288	IOWA HILL	2930	SEC 33	T14N	R10E	D	39	05	53	120	51	02	000		1979		32	31	
A2 4296-02	IRON MOUNTAIN NO 2	2750	SEC 35	T33N	R06W	M	40	40	36	122	30	48	000		1948			45	
R9 4319-01	ISLETON	1		T04N	R03E	M	38	09	30	121	36	42	000		1949			34	
R2 4321	JACKSON 1 NW	1530	SEC 20	T06N	R11E	F	38	21	36	120	47	27	000		1951			03	
G4 4342	JANESVILLE FLETCHER	4225	SEC 09	T28N	R13E	L	40	17	45	120	31	30	000		1959			18	
A7 4345-09	JAY BIRD P H	3200	SEC 33	T12N	R13E	P	38	50	10	120	31	57	430		1962			09	
A0 4346	JELLY	355	SEC 33	T29N	R03W	B	40	19	48	122	12	12	000		1958			52	
R0 4352	JENNY LIND 3SW	235	SEC 31	T03N	R10E	A	38	04	30	120	54	42	000		1960			05	
A1 4374	JESS VALLEY	5290	SEC 06	T39N	R15F	C	41	15	54		17	36	900		1929			25	
A0 4390	JOHNS SCHOOL	60	SEC 22	T13N	R01W	N	38	57	24	121	58	12	000		1949			06	
A0 4440-50	KAHI RADIO STATION	1420	SEC 33	T13N	R08E	J	38	55	58	121	05	25	000		1962			31	
A0 4449	KARNAK	23	SEC 20	T11N	R03F	H	38	47	12	121	39	18	000		1949			51	
A5 4454	KADDIF	3180	SEC 22	T25N	R09E	N	40	00	42	122	57	58	000		1963			32	
A8 4488	KELSFYVILLE	1385	SEC 14	T13N	R09W	M	38	58	33	122	49	53	900		1931			17	
A8 4491-01	KFLSEYVILLE 2 N	1345	SEC 02	T13N	R09W	M	39	00	06	122	50	06	801		1935			17	
A4 4544	KILARC PH	2650	SEC 33	T33N	R01E	D	41	00	36	121	52	18	900		1933			45	
A0 4574	KIRKVILLE	35	SFC 12	T12N	R01E	R	38	54	30	121	48	18	000		1953			51	
A7 4616	KYBURZ STRAWBERRY	5750	SFC 19	T11N	R17F	M	38	48	00	120	09	00	900		1941	1952		09	
A0 4638	LA FINCA ORCHARD	70	SFC 10	T16N	R03F	R	39	15		121	37		000		1931			58	
R3 4664	LAKF ALPINE	7500	SFC 08	T07N	R18F	F	38	28	00	120	01	00	900		1948			02	
A8 4700	LAKFPORT 2 NW	1475	SFC 14	T14N	R10W	O	39	03	30	122	56	12	000		1929			17	
A8 4701	LAKFPORT	1343	SFC 24	T14N	R10W	M	39	02		122	55		900		1901			17	
A8 4702	LAKFPORT 3W	1475	SFC 22	T14N	R10W	L	39	02	48	122	47	48	000		1932			17	
A8 4703	LAKFPORT USSES	1356	SFC 24	T14N	R10W	M	39	02	00	122	55	00	900		1956			17	
A2 4709	LAKESHORE	1075	SFC 24	T35N	R05W	M	40	53	00	122	23	00	900		1946			45	
A0 4712	LAKF SOLANO	120	SFC 31	T08N	R01W	M	38	29	35	122	00	15	900		1960			57	
A6 4713	LAKF SPAULDING	5156	SFC 21	T17N	R12F	P	39	19	11	120	48	13	900		1894			29	
A5 4722	LAKF WILSON	2000	SFC 15	T22N	R04F	F	39	45	47	121	31	20	000	744722	1931			04	

TABLE 7 (Continued)

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NORTHEASTERN CALIFORNIA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base B. Meridian	Latitude			Longitude			Cooperator's Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	="	O	I	="						
A0 4730	LAMB VALLEY	365	SFC 34	T10N R02W	C M	38 40 33	122 04 20	000						1925		07 57		
A6 4773	LA PORTA	4975	SEC 16	T21N R09E	M M	39 41 00	120 58 00	900						1894		14 32		
A5 4812	LAS PLUMAS	506	SFC 14	T21N R04E	R M	39 41 00	121 29 00	900						1914		04		
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N R15E	R M	41 45	120 14 42	000						1958		25		
R1 4830	LATROBE	1000	SEC 15	T08N R09E	M M	38 33 00	120 59 00	000						1938		05 09		
A8 4880	LEESVILLE KEEGAN PCH	1330	SEC 17	T15N R05W	C M	39 09 11	122 26 12	900						1950		06		
R1 4886	LEHMAN RCH	540	SEC 32	T09N R09E	F M	38 35 30	120 01 06	900						1951		09		
B9 4925	LIRERTY FARMS	2	SEC 01	T05N R02E	J M	38 18	121 41 30	000						1950		48		
A5 4932	LIGHTS CREEK	5360	SEC 02	T27N R11E	F M	40 13 42	120 42 30	000						1959		32		
A1 4940-35	LIKELY VANCE	4400	SEC 08	T39N R13E	K M	13 42 12	030 06 00	00						1962		25		
A0 4947	LINCOLN AUSTIN	160	SEC 15	T12N R06E	G M	38 53 36	121 17 42	000						1946		31		
A0 4947-06	LINCOLN 6 FNE	355	SEC 33	T13N R07E	M M	38 55 55	121 12 28	000						1962		31		
R0 4953-02	LINDEN FIRE STATION	90	SFC 15	T02N R08E	K M	38 01 00	121 04 00	000						1948		39		
R0 4953-04	LINDEN SHELLY RANCH	265	SEC 35	T03N R09E	R M	38 03 48	120 56 36	000						1948	1962	39		
A5 4977	LITTLE LAST CHANCE V	5730	SEC 05	T24N R16E	M M	39 57 40	120 13 00	900						1959		32		
A1 4988	LITTLE VALLEY	4185	SEC 15	T35N R07E	O M	40 53 30	121 10 30	900						1958		18		
A0 4990	LIVE OAK	74	SEC 32	T17N R03E	M M	39 17 24	121 39 30	000						1959		51		
A0 4990-02	LIVE OAK 9 SSW	5	SEC 65	T16N R02E	C M	39 12 00	121 43 00	000						1958		51		
R0 5010	LOCKEFORD	106	SEC 30	T04N R08E	N M	38 10 00	121 09 00	000						1926		39		
R0 5012	LOCKEFORD 7SE	125	SEC 14	T03N R08E	D	38 06 30	121 04 12	000						1938		39		
R0 5032	LONI	40	SEC 11	T03N R06E	P M	38 07 00	121 17 00	900						1887		39		
R0 5032-07	LONI 3 W	31	SFC 04	T03N R06E	P M	38 07 52	121 19 33	412						1955		39		
R0 5032-08	LONI 4 NNF	61	SFC 30	T04N R07E	C M	38 10 28	121 15 00	412						1940		39		
A0 5060-01	LOMA RICA	350	SEC 28	T17N R05E	L M	39 18 03	121 25 02	000						1963		58		
F1 5081-01	LONG BELL STATION	4375	SEC 20	T42N R05E	B M	41 28 00	121 25 00	000						1958		25		
A7 5087	LONG VALLEY ORCHARD	870	SEC 32	T12N R08E	G M	38 51	121 05	000						1955		31		
G6 5088	LONG VALLEY INSP STN	5060	SEC 18	T21N R18E	E M	39 41 12	120 00 42	900						1958		46		
A1 5094	LOOKOUT	4155	SEC 22	T39N R07E	B M	41 12 42	121 08 54	000						1935		06 25		
A1 5094-03	LOOKOUT 6NF	4190	SEC 24	T40N R07E	M M	41 17 00	121 07 00	000						1957		25		
A1 5095	LOOKOUT SHAW	4500	SEC 34	T41N R07E	G M	41 21 00	121 08 42	000						1959		25		
A0 5096	LOOMIS	400	SEC 09	T11N R07E	G M	38 49 06	121 11 42	000						1959		31		
A0 5097	LOOMIS 2 NW	365	SEC 04	T11N R07E	O M	38 50 00	121 12 00	801						1948		31		
A0 5131-04	LOS MOLINOS 7 NNE	279	SEC 10	T26N R02W	K M	40 07 18	122 04 36	000						1959		52		
A0 5131-05	LOS MOLINOS 1 SE	225	SEC 16	T25N R02W	R M	40 00 48	122 05 00	000						1960		52		
A0 5132	LOS MOLINOS 3 N	245	SEC 33	T26N R02W	F M	40 03 48	122 06	000						1954		52		
A8 5161	LOWER LAKE 1 W	1450	SEC 04	T12N R07W	R M	38 54 42	122 38 00	000						1935		17		
A8 5161-01	LOWER LAKE	1355	SFC 02	T12N R07W	N M	38 54 48	122 36 29	000						1958		17		
G7 5163	LOWER MEADOW	5760	SFC 25	T20N R17E	A M	39 33 42	120 01 54	911						1957		46		
A5 5171	LOYALTON	4936	SEC 13	T21N R15E	M M	39 41 00	120 15 00	900						1940		07 46		
A5 5171-02	LOYALTON 6 NW	4875	SEC 21	T22N R15E	J M	39 44 30	120 18 00	000						1957		32		
A5 5171-03	LOYALTON 7 N	4880	SEC 11	T22N R15E	G M	39 46 24	120 15 54	000						1957		32		
A0 5223	M AND T RANCH	145	SEC 05	T21N R01E	O M	39 42 30	121 53 48	000						1938		03 04		
G2 5231	MADLINE MAINT STN	5231	SEC 10	T37N R13E	M M	41 03 20	120 28 18	700						1957		18		
A8 5258	MAHNKE	2380	SEC 30	T12N R08W	M M	38 51 00	122 47 00	900						1954		17		
R9 5296	MANDEVILLE ISLAND	10		T02N R02E	M M	38 02 00	121 34 00	900						1955		39		
R0 5297-01	MANTFCA NO 2	46	SEC 04	T02S R07E	B M	37 48	121 13	000						1930		39		
A4 5299-01	MANTON 1 E	2395	SFC 22	T30N R01E	J M	40 26 12	121 50 48	000						1954		01 52		
A4 5299-02	MANTON 6 E	3250	SFC 28	T30N R02E	B M	40 26 12	121 46 00	000						1958		52		
A4 5311	MANZANITA LAKE	5850	SFC 18	T31N R04E	M M	40 32 00	121 34 00	900						1941		45		
G8 5356	MARPLEVILLE	5546	SFC 21	T10N R20E	M M	38 42 00	119 47 00	900						1909		02		
R0 5368	MARSHALL RANCH	60	SFC 16	T03N R07E	P M	38 06 00	121 13 00	412						1925		39		
A0 5385	MARYSVILLE	62	SFC 13	T15N R03E	O M	39 09 00	121 36 00	900						1871		58		
A0 5403	MATHER A F R	90	SFC 11	T08N R06E	M M	38 34 00	121 18 00	902						1944		01 34		
A0 5409-01	MAXWELL	91	SEC 33	T17N R03W	R M	39 16 36	122 11 12	000						1920		06		
A1 5430-01	MCCARTHRU MAINT STN	3300	SFC 01	T37N R05E	J M	41 04 24	121 15 48	809						1957		45		
A4 5444	MCCARTHY POINT R C	3800	SFC 19	T27N R03E	M M	40 11 00	121 41 00	900						1945		52		
A0 5447	MC CLELLAN AFR	70	SEC 01	T09N R05E	N M	38 39 39	121 23 28	402						1939		34		
A2 5449	MC CLOUD	3300	SFC 01	T39N R03W	M M	41 16 00	122 08 00	900						1909		47		
F1 5505	MEDICINE LAKE	6660	SFC 10	T43N R03E	M M	41 35 00	121 37 00	900						1946		47		
G7 5571	MEYERS 4SW	6470	SFC 08	T11N R18E	N M	38 48 30	120 01 06	900						1960		09		
G7 5572	MEYERS INSP STN	6342	SFC 29	T12N R18E	M M	38 51 00	120 01 00	900						1955		09		
G7 5573	MEYERS RANGER STN	6340	SFC 29	T12N R18E	L M	38 51 00	120 00 55	905						1962		09		
A7 5586	MICHIGAN PLIFF	3650	SFC 21	T14N R11E	J M	39 03 00	120 44 00	900						1940		31		
A9 5598	MIDDLETOWN	1122	SEC 03	T10N R07W	M M	38 44 52	122 31 05	900						1938		17		
A9 5598-01	MIDDLETOWN 7 NW	2243	SEC 23	T11N R08W	A M	38 47 54	122 42 18	000						1959		17		
A9 5599	MIDDLETOWN 4 WSW	1785	SEC 06	T10N R07W	O M	38 44 14	122 40 30	900						1952		17		
G6 5621	MILFORD	4140	SEC 26	T27N R14E	A M	40 10 30	120 21 48	000						1957		18		
G6 5622	MILFORD LAUFMAN R S	4860	SEC 01	T26N R14E	F M	40 08 00	120 21 00	900						1940		18		
A0 5640	MILLS ORCHARD	240	SEC 26	T22N R02W	F M	39 44 18	122 02 30	906						1929	1956	11		
R0 5673-02	MILTON	380	SEC 11	T02N R10E	M M	38 02 00	120 51 00	000						1948		05		

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Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code	
Number	Name						o	i	''	o	i	''							
G8	5678-26	MINDEN NEVADA	4700	SFC 32	T13N	R20E	M	38	57	00	119	46	00	900	265191	1905		62	
A4	5679	MINERAL	4910	SEC 25	T29N	R03E	M	40	21	00	121	36	00	900		1909		52	
G7	5720	MITCHELL CANYON	6030	SEC 30	T20N	R18E	C	M	39	34	34	120	01	04	911		1958	46	
A5	5752	MOHAWK R S	4400	SEC 09	T22N	R12E	M	39	46	48	120	37	00	905		1957		32	
A3	5810	MONTGOMERY PLACE	870	SEC 19	T26N	R06W	R	M	40	05	05	122	34	35	000		1962		52
A9	5816	MONTICELLO	380	SEC 31	T09N	R03W	M	38	38	00	122	13	00	900		1913	1947	28	
A8	5858-01	MORGAN VALLEY STANLFY	2415	SEC 13	T12N	R06W	L	M	38	53	10	122	28	30	000		1960		17
A7	5909	MOUNT DANAHER	3408	SEC 05	T18N	R12E	P	M	38	45	00	120	40	00	900		1943		09
A5	5955	MT HOUGH	5080	SEC 10	T25N	R10E	C	M	40	03	00	120	51	06	000		1959		32
G7	5975-26	MT ROSE HIGHWAY STA	7360		T17N	R19E	M	39	20		119	53		900	265445	1960		62	
A2	5980	MT SHASTA SKI BOWL	7841	SEC 33	T41N	R03W	E	M	41	22	00	122	12	00	900		1958		47
A2	5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	O	M	41	22	00	122	16	00	900		1947		47
A2	5983	MOUNT SHASTA CITY	3544					41	19	00	122	19	00	900		1931		47	
F4	6032	MUMBO BASIN	5700	SEC 35	T39N	R06W	E	M	41	12	00	122	32	00	900		1946		53
R2	6039-02	MURPHYS 3 NW	1760	SEC 25	T04N	R13E	M	M	38	10	18	120	29	48	000		1955		05
R2	6039-03	MURPHYS 2 N	1950	SEC 29	T04N	R14E	M	M	38	09	48	120	28	18	000		1957		05
A0	6092	NATOMAS F S 2	18	SEC 25	T10N	R03E	R	M	38	41	08	121	35	50	422		1962		34
A0	6130	NELSON WESTERN CAMP	120	SEC 31	T20N	R02E	A	M	39	33	00	121	47	00	003		1917	06	04
A6	6136	NEVADA CITY	2600	SEC 07	T16N	R09E	M	M	39	16		121	02		900		1863		29
A6	6136-29	NEVADA CITY R S	2710	SEC 13	T16N	R08E	L	M	39	14	58	121	01	42	808				29
A0	6154	NEWCASTLE FOWLER	250	SEC 17	T12N	R07E	E	M	38	53	36	121	13	06	000		1948		31
A0	6157	NW ENGLAND ORCHARD	45	SEC 13	T14N	R03E	L	M	39	03	41	121	35	20	000		1959		51
A1	6173-35	NEW PINF CK OREGON	4880	SEC 24	T41S	R20E	M	M	42	00	00	120	18	00	000		1958	1961	61
A0	6194	NICOLAUS 2		SEC 05	T12N	R04E	M	M	38	56	00	121	33	00	900		1959		51
A0	6271	NORTH SACRAMENTO	26	SEC 04	T09N	R05E	M	M	38	38	48	121	28	30	000		1955		34
A6	6274	NORTH SAN JUAN	2130	SEC 05	T17N	R08E	M	M	39	22		121	06		000		1897	48	29
A6	6275	NORTH SAN JUAN 4NF	1825	SEC 22	T18N	R08E	B	M	39	25	00	121	04	30	000		1954		58
A1	6415	OLO STATION	4380	SEC 33	T33N	R05E	M	M	40	40	30	121	25	54	000		1960		45
A5	6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39	48	00	120	53	06	000		1959		32
A7	6452	ONION CREEK																	
A3	6455	ONO	980	SEC 02	T30N	R07W	M	M	40	29	00	122	37	00	900		1951		45
A0	6481	ORANGEVALE BEACH	225	SEC 28	T10N	R07E	N	M	38	41	20	121	13	13	000		1958		34
A0	6482	ORANGEVALE MOIRAO	210	SEC 26	T10N	R07E	M	M	38	41	18	121	11	36	000		1956	1963	34
A0	6505	ORLAND FRENCH RANCH	312	SEC 05	T20N	R04W	K	M	39	37	00	122	19	42	000		1960		11
A0	6506	ORLAND	254	SEC 21	T22N	R03W	M	M	39	45	00	122	12	00	900		1883		11
A0	6507	ORLAND 8 NE	172	SEC 27	T23N	R02W	J	M	39	49	06	122	04	00	000		1956		52
A6	6519	OROGON HOUSE 2N		SFC 26	T18N	R06E	M												
A0	6521	OROVILLE	170	SEC 18	T19N	R04E	M	M	39	30		121	33		900		1953		04
A0	6525	OROVILLE BRIDGE	170	SEC 08	T19N	R04E	M	M	39	31	00	121	34	00	900		1908		04
A5	6527	OROVILLE DAM	845	SEC 01	T19N	R04E	N	M	39	31	38	121	28	45	000		1959		04
A0	6528	OROVILLE R S	300	SFC 06	T19N	R04E	M	M	39	32	00	121	34	00	900		1940		04
G6	6562	OTIS CANYON	4075	SEC 03	T26N	R15E	F	M	40	08	24	120	16	42	000		1959		18
A7	6597	PACIFIC HOUSE	3440	SEC 34	T11N	R13E	M	M	38	45	00	120	30	00	900		1941		09
A4	6647-05	PALO CEDRO 2N	500	SEC 29	T32N	R03W	P	M	40	35	36	122	13	54	000		1963		45
A4	6685	PARADISE	1800	SEC 14	T22N	R03E	M	M	39	45	30	121	36	42	000		1925		04
A7	6689-02	PARADISE VALLEY	2200	SFC 19	T13N	R10E	M	M	38	55		120	54		000		1962		31
A0	6726	PASKENTA R S	755	SEC 04	T23N	R06W	M	M	39	53	00	122	32	00	900		1938		52
A1	6750	PATTERSON MEADOW	7000	SFC 29	T39N	R16E	M	41	11	00	120	12	00	000		1958		25	
A4	6761	PAYNES CREEK	1850	SEC 25	T29N	R01W	M	M	40	20	00	121	54	00	900		1951		52
A7	6773-09	PEAVINE RIDGE	5100	SEC 17	T11N	R14E	L	M	38	47	50	120	25	50	430		1962		09
A1	6803	PERPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41	26	30	120	14	00	000		1958		25
A0	6849-11	PHILAN PARROTT RANCH	120	SEC 01	T21N	R01E	E	M	39	42	24	121	56	06	000		1924		04
R2	6898	PINE GROVE CONS CAMP	2380	SEC 34	T07N	R12E	O	M							808		1960		03
A1	6946	PIT RIVER PH NO 5	1458	SEC 09	T36N	R01W	M	M	40	59	00	121	59	00	900		1944		45
B3	6949	PITTSBURG DOW CHEM	15	SEC 15	T02N	R01E	D	M	38	01	27	121	51	19	000		1947		07
A8	6950	PITTS RANCH	1550	SEC 33	T13N	R09W	M	M	38	56	00	122	52	00	900		1956		17
A1	6952-02	PITTVILLE 3SE	3500	SEC 29	T37N	R06E	B	M	41	03	00	121	20	00	000		1958		18
A1	6952-03	PITTVILLE EDWARDS	3500	SEC 29	T37N	R06E	O	M	41	00	42	121	17	50	000		1957		18
A7	6960	PLACERVILLE	1890	SEC 07	T10N	R11E	M	M	38	44	00	120	48	00	900		1874		09
A7	6962	PLACERVILLE IFG	2755	SFC 10	T10N	R11E	M	M	38	44	22	120	44	22	900		1929		09
A7	6963	PLACERVILLE 1W	1785	SEC 11	T10N	R10E	M	M	38	44	00	120	49	00	900		1940	1963	09
A0	6966-02	PLAINFIELD 1F	58	SEC 30	T09N	R02E	R	M	38	35	36	121	47	00	000		1957		57
A0	6966-04	PLAINFIELD 4 NW	95	SEC 21	T09N	R01E	F	M	38	37	03	121	52	05	000		1957		57
A0	6966-05	PLAINFIELD 2NNW	68	SEC 24	T09N	R01E	O	M	38	37	08	121	49	00	000		1938		57
A0	6968	PLAINFIELD 1 NNW	65	SEC 25	T09N	R01E	G	M	38	35	54	121	48	22	000		1957		57
A3	6975	PLATINA																	
F6	6976	PLASKETT	6580	SEC 27	T22N	R09W	A	M	39	44	12	122	51	24	000		1960		11
A3	6976-35	PLATINA-BURCH	2300	SEC 17	T29N	R09W	R	M	40	21	42	122	53	18	000		1962		45
A9	6977	PLASANTS VALLEY	250	SEC 11	T07N	R02W	M	M	38	28	05	122	02	35	000		1949		48
A5	6998	PLUMAS FURKA PARK	5175	SFC 24	T22N	R11E	F	M	39	45	25	120	41	52	804		1961		32

TABLE 7 (Continued)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63
NORTHEASTERN CALIFORNIA

Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude	Longitude	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name													
R1 7000	PLYMOUTH	1096	SFC 11	T07N	R10E	C M	38 28 56	120 50 42	900		1935			03
R1 7000-01	PLYMOUTH 3 NE	1450	SEC 31	T08N	R11E	F M	38 30 22	120 46 45	000		1954			03
R1 7000-03	PLYMOUTH 6 WNW	445	SEC 25	T08N	R09E	O M	38 31 02	120 55 56	000		1951			03
A9 7058	POPE VALLEY 2 E	610	SEC 23	T09N	R05W	M M	38 36 57	122 23 21	000		1947			28
A5 7085	PORTOLA	4838	SEC 01	T22N	R13E	M M	39 48 00	120 28 00	900		1914			32
A1 7106	POTTER SAWMILL	4210	SEC 07	T39N	R07E	D M	41 14 00	121 13 00	900		1958	1962		25
R2 7136	PRESTON SCHOOL	350	SEC 24	T06N	R09E	G M	38 21 48	120 56 12	412		1955			03
A0 7158-50	PRYOR RANCH	130	SEC 25	T16N	R04E	A M	39 13 18	121 28 02	000		1963			58
A5 7195	QUINCY R S	3409	SEC 14	T24N	R09E	P M	39 56	120 57	900		1895			32
A5 7215	RACKERRY	1375	SFC 06	T18N	R06E	P M	39 29 56	121 23 17	000		1963			04
R2 7221-21	RAILROAD FLAT	2560	SEC 09	T05N	R13E	G M	38 18 18	120 32 36	000		1948			05
A0 7247-01	RANCHO CORDOVA F S	93	SEC 35	T09N	R06E	M	38 35 42	121 17 30	422		1960			34
G2 7260	RAVENDALE 1SSE	5310	SEC 26	T34N	R14E	D M	40 47 30	121 21 30	000		1958			18
G2 7261	RAVENDALE JIM MARR	5540	SEC 30	T35N	R17E	D M	40 52 30	120 06 00	000	PN7259	1953			18
G2 7261-01	RAVENDALE HARRY MARR	5340	SEC 06	T35N	R15E	R M	40 55 30	120 19 00	000		1954		03	18
G2 7261-04	RAVENDALE 5 ESE	5350	SEC 21	T34N	R15E	R M	40 47	120 16 30	000		1959			18
A0 7291-03	RED BLUFF CLARK RNCH	292	SEC 30	T27N	R02W	A M	40 10 18	122 07 48	000		1959			52
A0 7291-06	RED BLUFF OWENS RNCH	595	SEC 22	T27N	R05W	N M	40 10 36	122 25 12	000		1959			52
A0 7291-12	RED BLUFF 8S	333	SEC 31	T26N	R03W	N M	40 03 24	122 15 18	000		1959			52
A0 7292	RED BLUFF WB AP	341		T27N	R03W	M	40 09 00	122 15 00	900		1939			52
A0 7295	REDDING 1 SE	470					40 34 00	122 23 00	900		1958			45
A0 7296	REDDING FIRE STN NO2	577	SFC 35	T32N	R05W	M	40 35 00	122 24 00	900		1875			45
A0 7300-03	REDDING CLEAR CREEK	450	SFC 25	T31N	R05W	E M	40 30 00	122 24 00	000		1956			45
G7 7365-26	RFNO	4397					39 30 00	119 47 00	900	266779	1870			62
A7 7370	REPRESA	305	SEC 25	T10N	R07E	F M	38 42 00	121 10 00	900		1893			34
R9 7446	RIO VISTA	20	SEC 31	T04N	R03E	M	38 08 40	121 41 28	900		1907			48
A0 7446-01	RIO VISTA 1 NW	85	SEC 24	T04N	R02E	P M	38 10 30	121 42 36	000		1956			48
A0 7446-02	RIO VISTA 4 NW	63	SEC 16	T04N	R02E	H M	38 11 34	121 45 00	000		1949			48
R1 7464	RIVER PINES	2000	SEC 15	T08N	R11E	J M	38 33 46	120 44 10	000		1950			03
A0 7487	ROBBINS	20	SEC 24	T12N	R02F	P M	38 52	121 43			1926			51
A7 7492	ROBERTSON FLAT	6250	SEC 11	T15N	R13E	N M	39 09 27	120 30 06	900		1946			31
A0 7516	ROCKLIN	239	SEC 19	T11N	R07E	C M	38 47 36	121 14 30	900		1869			31
A0 7517	ROCKLIN 1 SE	300	SFC 20	T11N	R07E	M	38 46 48	121 13 12	000		1954			31
A0 7568-02	ROSEWOOD CAPFHART	650	SFC 14	T28N	R06W	K M	40 16 48	122 30 30	419		1963			52
A6 7572	ROUGH AND READY	1840	SEC 24	T16N	R07E	D M	39 13 40	121 08 03	000		1963			29
A8 7591-05	RUMSEY 1 NW	455	SFC 12	T12N	R04W	V M	38 54 06	122 14 54	900		1928			57
A5 7608-05	RUSSELL RANCH	2175	SEC 30	T19N	R06E	L M	38 28 52	121 20 37	000		1963			04
A0 7630	SACRAMENTO WR AP	17	SFC 25	T08N	R04E	M M	38 31 00	121 30 00	900		1936			34
A0 7633	SACRAMENTO WR CITY	25	SEC 01	T08N	R04E	C Y	38 35 00	121 29 00	900		1849			34
R0 7633-34	SAC COUNTY BOYS RANCH			T08N	R08E	M			422		1962			34
A0 7633-53	SACRAMENTO HUFFMAN	30	SEC 16	T08N	R05E	M	38 33 12	121 26 36	000		1959			34
A0 7633-65	SACRAMENTO 3 SSW								000					34
A0 7635	SACRAMENTO REFUGE	95	SEC 10	T18N	R03W	F M	39 25 48	122 11 06	000		1958			11
A3 7637	SADDLE CAMP R S	3850	SEC 30	T27N	R08E	M	40 10 00	122 48 00	900		1945			52
G7 7641	SAGFHEM CREEK	6337	SEC 07	T18N	R16F	M	39 26 00	120 14 00	900		1953			29
A9 7649	SAINT HELENA 7 NF	1050	SFC 12	T08N	R05W	M	38 34 00	122 22 00	900		1949			28
A0 7656	SAINT JOHN	145	SFC 35	T22N	R01W	M	39 43 00	122 00 00	900		1906			11
R2 7689	SALT SPRINGS PH	3700	SFC 33	T08N	R16E	M	38 30 00	120 13 00	900		1928			03
R2 7701	SAN ANDREAS	1120	SEC 17	T04N	R12E	N M	38 11 42	120 41 00	900	047701	1924		02	05
R2 7702	SAN ANDREAS 2 S	854	SEC 32	T04N	R12E	M	38 10 00	120 40 00	900		1924			05
R2 7705	SAN ANDREAS R S	1090	SEC 20	T04N	R12E	A M	38 11 30	120 40 10	808	047705	1953			05
A5 8012-40	SATTLFY 1 NW	4950	SEC 32	T21N	R14E	G Y	39 37 48	120 26 00	000		1961			46
G4 8074	SECRET VALLEY	4435	SEC 27	T31N	R15E	R M	40 31 24	120 16 00	000		1962			18
G7 8082	SECOND SUMMIT	6460	SEC 03	T19N	R17E	H M	39 31 43	120 03 58	911		1958			46
A2 8135	SHASTA DAM	1076	SEC 15	T33N	R05W	M	40 43 00	122 25 00	900		1942			45
R2 8150	SHFEP RANCH	2370	SEC 08	T04N	R14E	M	38 12 30	120 27 30	000		1937			05
R1 8173	SHINGLE SPRINGS	1375	SFC 06	T09N	R10F	M	38 40 00	120 55 00	900		1943			09
A5 8218	SIERRAVILLE RS	4975	SFC 24	T20N	R14E	M	39 35 00	120 22 00	900		1909			46
A5 8292	SLOAT	4115	SFC 15	T23N	R11E	M	39 52 00	120 44 00	900		1957			32
R0 8293	SLOUGHHOUSE 6 SE	160	SFC 15	T07N	R08E	M	38 28 00	121 05 00	900		1950			34
R0 8293-01	SLOUGHHOUSE 1 SW	80	SFC 09	T07N	R07E	A M	38 29	121 12 30	000		1950		01	34
B1 8295	SLY PARK	3530	SEC 17	T10N	R13E	V M	38 42 00	120 34 00	907		1955			09
A0 8300	SMARTSVILLE	840	SEC 32	T16N	R06E	V M	39 12	121 18	907		1872	1880		58
G8 8305-26	SMITH 1 N NEVADA	4800	SEC 26	T11N	R23E	M	38 49 00	119 24 00	900	267609	1998			62
R0 8322	SNOW RANCH	240	SFC 12	T01N	R10E	O M	37 57 00	120 49 00	000		1934			50
A8 8325	SODA BAY	1450	SEC 06	T13N	R08W	M	39 00 12	122 47 00	000		1946		02	17
A6 8332	SODA SPRINGS 1 F	6885	SEC 23	T17N	R14F	M	39 19 00	120 22 00	900	PN8520	1946		05	29
G9 8355	SONORA JUNCTION	6886	SEC 21	T06N	R23E	M	38 21 00	119 27 00	900		1959			26
G6 8483	STACY	4020	SFC 20	T28N	R17E	L M	40 16 00	120 05 00	900		1963			
G4 8487	STANDISH 1F	4030	SFC 16	T29N	R14F	J M	40 22 00	120 24 00	900		1958			18

TABLE 7 (Continued)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63

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Station		Elevation (in feet)	Section	Township	Range	40-Acre Tract Bose B Meridian	Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	W						
A5 8544	STIRLING CITY R 5	3520	SFC 28	T24N	R04E	M	39	54	00	121	32	00	900	1903	04
R9 8554	STOCKTON DISPOSAL PLT	11	SEC 05	T01N	R06E	M	37	56	00	121	20	00	900	1938	39
R0 8558	STOCKTON FAA AP	22		T01N	R07E	M	37	54	00	121	19	00	900	1948	39
R9 8558-03	STOCKTON 5 SW	6	SEC 32	T01N	R06E	J	37	53	24	121	19	50	000	1958	39
R0 8558-04	STOCKTON 5 P	17	SEC 02	T01N	R06E	R	37	57	24	121	16	42	000	1958	39
R0 8560	STOCKTON FIRE STN 4	11	SEC 33	T02N	R06E	M	37	58	00	121	18	00	900	1867	39
R9 8562	STOCKTON MOWRY BRDGE	15		T01S	R05E	M	37	51	00	121	23	00	900	1955	39
A0 8576	STONE VALLEY	540	SEC 26	T21N	R05W	F	39	39		122	23	42	000	1960	11
A3 8578	STONYFORD COOLEY PCH	3020	SEC 08	T16N	R07W	H	39	15	18	122	39	30	900	PN1983	06
A3 8580	STONYFORD R 5	1168	SFC 29	T18N	R06W	M	39	23	00	122	32	45	900	1918	06
A3 8580-04	STONYFORD 2SW	1225	SEC 36	T18N	R07W	H	39	22	18	122	35	54	000	1948	06
A3 8587	STONY GORGE RES	770	SEC 16	T20N	R06W	M	39	35	00	122	32	00	900	1926	11
A6 8606	STRAWBERRY VALLEY	3784	SEC 29	T20N	R08E	M	39	34	00	121	06	00	900	1935	58
G4 8701	SUSANVILLE	4170	SEC 32	T30N	R12E	M	40	25	00	120	39	00	900	1952	18
G4 8701-02	SUSANVILLE 4 NE	4330	SEC 15	T30N	R12E	G	40	27	48	120	36	30	000	1957	18
G4 8702	SUSANVILLE AP	4148	SEC 13	T29N	R12E	B	40	23	00	120	33	00	900	1931	18
G4 8703	SUSANVILLE 1WNW	4555	SEC 31	T30N	R12E	M	40	26	00	120	40	00	900	1952	18
G4 8704	SUSANVILLE COURTHSE	4325	SFC 32	T30N	R12E	E	40	25		120	39	42	000	1932	18
A0 8710	SUTTER CITY	46	SEC 21	T15N	R02E	A	39	08	30	121	44	48	000	1931	51
A0 8710-05	SUTTER RANCH	60	SFC 09	T15N	R03E	R	39	09	32	121	38	05	000	1750	51
R2 8713	SUTTER HILL RS	1590	SEC 18	T06N	R11E	A	38	22	42	120	48	03	900	1943	03
A5 8716	SWAIN MOUNTAIN	6160	SFC 20	T30N	R08E	J	40	26	44	121	06	00	000	1957	32
A1 8718	SWAGERT FLAT	6000	SEC 11	T39N	R10E	F	41	14		120	47	30	000	1958	25
G7 8758	TAHOE CITY	6228	SEC 07	T15N	R17E	B	39	10	00	120	09	00	900	1909	31
G7 8760	TAHOE VISTA	6310	SEC 11	T16N	R17E	R	39	14	47	120	03	00	000	1963	31
A7 8771	TALBOT CAMP	6000	SEC 02	T15N	R14E	M	39	11	52	120	22	00	900	1948	31
A5 8793	TAYLORSVILLE	3580	SEC 34	T26N	R10E	A	40	04	28	120	50	18	000	1955	32
R9 8870	TERMINOUS RCH	5	SEC 30	T03N	R05E	N	38	07		121	30	000	1948	39	
G2 8872	TERMO 6 SW	5320	SEC 13	T34N	R12E	H	40	48	42	120	33	36	000	1958	18
G2 8873	TERMO	5300	SEC 25	T35N	R13E	M	40	52	00	120	27	00	900	1927	17 18
G2 8875	TERMO BRIN MARR RCH	5360	SEC 04	T35N	R15E	R	40	55	00	120	16	00	900	1959 1963	18
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	M	39	15	00	120	21	00	900	1945	31
A5 8909	THREEMILE VALLEY	5900	SEC 36	T24N	R12E	A	39	54	06	120	34	18	000	1959	32
R2 8928	TIGER CREEK PH	2355	SEC 24	T07N	R13E	G	38	26	58	120	29	30	900	1907	03
A0 8933	TISDALE WEIR	40	SEC 36	T14N	R01E	E	39	01	18	121	49	12	000	1948	51
A0 8933-01	TISDALE BYPASS	30	SEC 30	T14N	R02E	R	39	01	42	121	46	48	000	1946	51
A7 8945	TODD VALLEY	2760	SEC 04	T13N	R10E	R	38	59	52	120	51	10	000	1961	31
G9 8970	TOPAZ LAKE	5044	SEC 27	T10N	R22E	M	38	40	55	119	32	52	000	1955	04 26
G9 8970-26	TOPAZ LAKF NEV	5020	SEC 27	T10N	R22E	N	38	42		119	31	900	268186	62	
A0 8984	TWN AND CNTRY-GANSE	50	SEC 29	T09N	R06E	M	38	36	18	121	21	06	000	1957	34
A0 8984-34	TOWN AND COUNTRY	50	SEC 26	T09N	R05E	E	38	36	25	121	24	18	000	1960	34
R9 8995	TRACY FIRE STATION						37	45		121	25	000	1960	39	
R9 8995-01	TRACY SP	64	SEC 28	T02S	R05E	M	37	44	00	121	25	30	000	1878	39
R9 8997	TRACY 2 SSE	105	SEC 33	T02S	R05E	A	37	43	00	121	25	00	900	1951	39
R9 8999	TRACY CARRONA	140	SEC 10	T03S	R05E	M	37	41	45	121	24	55	900	1934	39
R9 9001	TRACY PUMPING PLANT	61	SEC 31	T01S	R04E	M	37	47	45	121	34	42	900	1953	60
G7 9043	TRUCKEE R 5	5960	SEC 10	T17N	R16E	M	39	20	00	120	11	00	900	1870	29
A6 9046	TRUE RANCH	1810	SEC 13	T15N	R07E	A	39	09	30	120	08	14	000	1960	1963 29
A2 9083	TURNABLE CREEK	1067	SEC 27	T34N	R04W	M	40	46	00	122	18	00	900	1947	45
A4 9098	TWENTY MILF HOLLOW	2800	SEC 07	T26N	R02E	F	40	07	33	121	48	12	000	1960	52
A7 9105	TWIN LAKES	7829	SEC 19	T10N	R18E	M	38	42	00	120	03	00	900	1919	02
A8 9167	UPPER LAKE 7 W	1520	SEC 02	T15N	R11W	M	39	11	00	123	02	00	900	1939	17
A8 9173	UPPER LAKE R 5	1347	SEC 07	T15N	R09W	M	39	10	00	122	55	00	900	1886	17
A0 9200	VACAVILLE	175	SEC 17	T06N	R01W	M	38	22	00	122	00	00	900	1880	48
A0 9200-10	VACAVILLE 3 NNE	270	SEC 05	T06N	R01W	A	38	24	10	121	59	18	000	1950	48
R0 9235	VALLEY SPRINGS	673	SEC 24	T04N	R10E	D	38	12	00	120	50	00	000	1888	08 05
R0 9237	VALLEY SPRINGS 6 SW	355	SEC 08	T03N	R10E	C	38	07	54	120	54	06	000	1951	05
A0 9307	VERONA	20	SEC 24	T11N	R03E	D	38	47	30	121	35	24	000	1948	51
R9 9324-01	VICTORIA ISLAND	5	SEC 36	T01N	R04E	M	37	53	30	121	29	18	000	1959	39
A0 9339-01	VINA 4 NE	330	SEC 04	T24N	R01W	C	39	58	00	121	59	18	000	1959	52
A0 9339-02	VINA 1 NE	235	SEC 12	T24N	R02W	K	39	56	54	122	02	06	000	1945	52
A0 9342	VINA MONASTERY	202	SEC 14	T24N	R02W	E	39	56	18	122	03	42	000	1917	04 52
A5 9351	VINTON	4945	SEC 28	T23N	R16E	G	39	49	08	120	11	19	900	1941	32
A6 9362-58	VIRGINIA RANCH DAM	1200	SEC 17	T17N	R06E	G							000	1961	58
A7 9382	VOLCANOVILLE	3036	SEC 18	T13N	R11E	M	38	59	00	120	47	00	900	1953	09
A2 9386	VOLLMERS	1360	SEC 34	T36N	R05W	M	40	57	00	122	26	00	900	1937	45
A4 9390	VOLTA PH	2200	SEC 16	T30N	R01E	M	40	27	00	121	52	00	900	1919	45
R0 9418	WALLACE	197	SEC 22	T04N	R09E	D	38	12	00	120	59	00	900	1926	05
R9 9428	WALNUT GROVE	23	SEC 35	T05N	R04E	M	38	14	00	121	31	00	900	1953 1961	34
A6 9454-29	WASHINGTON RIDGE	3840	SEC 26	T17N	R09E	A	39	18	52	120	55	46	808	1962	29

TABLE 7 (Continued)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1962-63
NORTHEASTERN CALIFORNIA

Station		Elevation (In feet)	Section	Township	Range	40-42e Tract	Base B. Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							o	i	ii	o	i	ii						
A5 9455	WASHINGTON	2600	SFC 12	T17N	R10E	P	M	39	21	23	120	45	32	000		1962			29
A6 9503	WEIMAR 1W	1980	SFC 20	T14N	R09E	P	M	39	02	36	120	44	48	000		1959			31
G9 9514-26	WELLINGTON R S NW	4800	SFC 02	T10N	R23E	M	M	38	45	00	119	25	00	000	45377	1962			62
G6 9526	WENDFL 10 SF	4035	SEC 20	T28N	R17E	H	M	40	16	00	120	04	24	000		1947			18
G4 9526-01	WENDFL 1 F	4040	SFC 29	T29N	R16E	E	M	40	21		120	12	30	000		1958			18
A0 9528	WERNER RANCH	1190	SFC 21	T12N	R08E	D	M	38	53		121	06		000		1934			31
A0 9530	WEST ACRFS	15	SFC 33	T09N	R04E	C	M	38	34	36	121	32	12	000		1959			57
A0 9546	WEST CARMICHAEL	90	SFC 43	T09N	R06E	M	M	38	36	00	121	21	00	000		1959			34
R2 9583	WEST POINT 3 SW	2400	SFC 17	T06N	R13E	M	M	38	22	00	120	33	00	900		1949			05
A7 9597	WESTVILLE	5200	SFC 05	T15N	R12E	M	M	39	10	30	120	39	04	900		1948			31
A5 9599	WESTWOOD	5065	SFC 07	T28N	R09E	M	M	40	18	00	121	30	30	000		1921		07	18
A0 9605	WHEATLAND 2 NF	113	SFC 34	T14N	R05E	M	M	39	02	00	121	24	00	900		1949			58
A0 9606	WHEATLAND CALRACK	75	SEC 11	T13N	R04E	L	M	38	59	00	121	27	00	000		1934			51
A3 9621	WHISKEYTOWN RESERVOIR	1310	SFC 22	T32N	R06W	M	M	40	37		122	32		900		1960			45
B0 9639	WHITE ROCK	353	SEC 10	T08N	R08E	H	M	36	33	00	121	05	00	900		1924			34
A0 9677	WILLIAMS	90	SFC 13	T15N	R03W	M	M	39	09	00	122	09	00	900		1376			06
G4 9690-31	WILLOW CR MURRER RCH	4930	SEC 07	T31N	R12E	L	M	40	34	00	120	40	00	000		1958			18
A1 9692-01	WILLOW CREEK RANCH	5200	SEC 06	T46N	R11E	G	M	41	50		120	45		000		1960			25
A1 9696	WILLOW RANCH	4750	SEC 21	T47N	R14E	G	M	41	54	08	120	21	20	000		1957			25
A5 9696 31	WILLOW VALLEY																		
A0 9699	WILLOWS	140	SFC 09	T19N	R03W	M	M	39	32	00	122	12	30	900		1879			11
A0 9699-01	WILLOWS 3W	161	SFC 12	T19N	R04W	J	M	39	30	54	122	15		000		1933			11
A0 9699-02	WILLOWS 3WNW	166	SEC 01	T19N	R04W	A	M	39	32	18	122	15		000		1947			11
R2 9709	WILSEYVILLE	2650	SEC 10	T06N	R13E	M	M	38	18		120	31		900		1952	1963		05
R0 9735	WINFORD LINN RANCH	125	SEC 09	T03N	R08E	K	M	38	07	18	121	05	48	000	PN4960	1948			39
A0 9742	WINTERS	135	SEC 15	T08N	R01W	M	M	38	31	24	121	56	00	900		1942			57
A9 9742-04	WINTERS SCOTT RANCH	320	SEC 26	T09N	R02W	J	M	38	35	54	122	02	36	000		1949			57
A0 9742-05	WINTERS UDFLL RCH	140	SEC 10	T07N	R01W	E	M	38	28	06	121	57	30	000		1934			48
A0 9742-12	WINTERS 3 NE	116	SFC 13	T08N	R01W	F	M	38	32	27	121	56	00	000		1926			57
A0 9742-13	WINTERS 4 N	177	SEC 33	T09N	R01W	G	M	38	35	09	121	58	33	000		1951			57
A0 9745	WINTERS WOLFSKILL RCH	137	SEC 33	T08N	R01W	B	M	38	30		121	58	06	801		1937			48
A6 9764	WOLF MOUNTAIN	2631	SFC 21	T15N	R08E	F	M	39	07	48	121	06		000		1962			29
G8 9775	WOODFORDS	5671	SFC 35	T11N	R19E	M	M	38	47	00	119	49	00	900		1937			02
A0 9781	WOODLAND 1 WNW	69	SEC 30	T10N	R02E	L	M	38	41	00	121	47	36	900		1873			57
A0 9781-02	WOODLAND 1 SSW	65	SEC 32	T10N	R02E	K	M	38	40	06	121	46	18	000		1933		10	57
A0 9781-05	WOODLAND HOLLAND RCH	122	SEC 13	T09N	R01W	R	M	38	37	15	121	55	00	000		1943			57
A0 9783	WOODLAND 3 W	95	SEC 26	T10N	R01E	L	M	38	40	57	121	50	00	000		1957			57
A5 9786	WOODLFAF	3250	SEC 09	T19N	R07E	M	M	39	31	00	121	11	00	907		1906	1910		58
A7 9816	WRIGHTS LAKE	6800	SEC 32	T12N	R16E	M	M	38	51	00	120	14	00	900		1946			09
A0 9837-03	YOLO 2 NE	52	SEC 29	T11N	R02E	N	M	38	45	53	121	46	58	000		1949			57
A0 9837-05	YOLO 3 NNF	52	SEC 30	T11N	R02E	C	M	38	46	43	121	47	38	000		1950			57
A0 9837-07	YOLO 3 N	45	SEC 19	T11N	R02E	N	M	38	46	46	121	47	56	000		1962			57
R0 9859	YOUNGSTOWN	65	SFC 20	T04N	R07E	M	M	38	11	00	121	14	00	412		1938			39
A0 9871	YURA CITY	47	SEC 23	T15N	R03E	O	M	39	07	50	121	36	17	000		1958			51
A6 9873	YURA PASS	6800	SEC 14	T20N	R13E	M	M	39	36		120	29		905		1962			46

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SURFACE WATER FLOW

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Antelope Creek near Red Bluff	B-207	A45110
Ash Creek at Adin	B-39	A18350
Battle Creek near Cottonwood	B-204	A47110
Bear Creek near Lockeford	B-141	B02045
near Millville	B-48	A40750
near Rumsey	B-123	A81250
Bear River near Wheatland	B-251	A06550
Bidwell Creek near Fort Bidwell	B-151	G12200
Big Chico Creek at Chico	B-58	A04250
near Chico	B-214	A42110
Big Sage Reservoir near Alturas	B-200	A11810
Blackwood Creek near Tahoe City	B-158	G74100
Bloody Run Creek near North San Juan	B-105	A63350
Burney Creek near Burney	B-45	A15150
Butte Creek near Adin	B-40	A18250
near Chico	B-223	A41110
near Durham	B-50	A04265
Butte Slough at Mawson Bridge	B-81	A02971
at Outfall Gates	B-09	B-225
Cache Creek above Rumsey	B-124	A02967
at Yolo	B-259	A81200
Calaveras River at Bellota	B-137	A08125
at Jenny Lind	B-264	B02555
near Stockton	B-138	B02590
Cedar Creek at Cedarville	B-152	B02520
Cherokee Canal near Richvale	B-68	G15150
Clear Creek near Igo	B-224	A02984
Clover Creek at Upper Lake	B-202	A36130
Bypass near Upper Lake	B-120	A81790
Colusa Basin Drain near College City	B-119	A81940
at Highway 20	B-232	A00180
at Knights Landing	B-231	A02976
Colusa Weir Spill to Butte Basin	B-78	B-233
Contra Costa Canal near Oakley	B-64	A02945
Copsey Creek near Lower Lake	B-143	A02961
Cosumnes River at McConnell	B-122	B95910
at Michigan Bar	B-149	A81360
Cottonwood Creek near Cottonwood	B-267	B01125
Deer Creek near Nevada City	B-266	B11150
near Sloughhouse	B-203	A03520
near Vina	B-107	A61380
Delta Cross Channel at Walnut Grove	B-148	B01580
Delta Mendota Canal near Tracy	B-211	A43110
Dry Creek near Galt	B-273	B91700
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Dry Fork South Fork Cottonwood Creek near Cottonwood	B-147	B01520
Duck Creek near Stockton	B-145	B21150
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Eagle Creek at Eagleville	B-136	B02835
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Littlejohn Creek at Farmington	B-135	B02870
Long Valley Creek near Doyle	B-157	G61200
McLeod Lake at Stockton		B95700
Middle Creek near Upper Lake	B-118	A81810
Middle Fork Feather River near Portola	B-93	A55420
Middle River at Bacon Island		B95460
at Borden Highway	B-293	B95500
at Mowry Bridge	B-292	B95540
Mill Creek near Los Molinos	B-291	A44110
near Mouth	B-208	A04420
near Mouth	B-209	A55720
Miller Creek near Sattley	B-92	B91475
Miner Slough at Five Points		B02105
Mokelumne River at Woodbridge	B-144	B94200
near Thornton		B02560
Mormon Slough at Bellota	B-139	A00020
Morrison Creek near Sacramento	B-150	A02986
Moulton Weir Spill to Butte Basin	B-62	A02920
Natomas Cross Canal at Head		A03545
North Fork Cottonwood Creek near Igo	B-50	A13055
North Fork Davis Creek near Davis Creek	B-33	A04440
North Fork Mill Creek near Los Molinos	B-55	A05735
North Honcut Creek near Bangor	B-103	B95270
Old River near Byron		B95340
at Clifton Court Ferry	B-296	B95140
at Holland Tract	B-303	B95260
at Mansion House	B-300	B95180
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	B-280		B91210
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Sacramento Slough at Sacramento River			A02925
Sacramento Weir Spill to Yolo Bypass			A02903
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Yolo Bypass at Liberty Island		B-277	B91260
at Lindsey Slough		B-279	B91560
near Lisbon		B-276	A02910
above Sacramento Bypass		B-261	A02935
near Woodland	B-130		A61430
Yuba River at Englebright Dam		B-260	A06150
near Marysville		B-248	
		B-249	

Station
Code
Number

Streamflow and Station Description	Daily Stage, Major Crests, Reservoir Content and Station Description
<u>HYDROGRAPHIC AREA A</u>	
<u>Sacramento Valley Floor</u>	
A00020 Morrison Creek near Sacramento	B-150
0040 Linda Creek near Roseville	B-115
0180 Colusa Basin Drain near College City	B-232
0435 Stone Corral Creek near Sites	B-76
0600 Lindo Channel near Chico	B-59
2100 Sacramento River at Sacramento	B-117
2105 at Sacramento Weir	B-255-270
2150 at Verona	B-269
2160 at Fremont Weir, E.E.	B-254
2170 at Fremont Weir, W.E.	B-244
2200 at Knights Landing	B-243
2240 near Rough and Ready Bend	B-234
2250 above Reclamation District 108 Pumping Plant	B-230
2280 below Wilkins Slough	B-73
2301 at Tisdale Weir	B-229
2308 Tisdale Bypass at 1660 Pumping Plant	B-228
2320 Sacramento River at Reclamation District 70 Pumping Plant	B-239
2380 at Meridian	B-227
2400 at Butte Slough Outfall Gates	B-226
2420 at Colusa	B-222
2430 at Colusa Weir	B-221
2445 at Moulton Weir	B-220
2450 opposite Moulton Weir	B-218
2500 at Butte City	B-63
2570 at Ord Ferry	B-61
2630 at Hamilton City	B-57
2700 at Vina Bridge	B-56
2770 at Red Bluff	B-212
2780 near Red Bluff	B-206
2901 Reclamation District 1000 Drainage to Sacramento River (Second Bannon Slough)	B-114
2903 Sacramento Weir Spill to Yolo Bypass	B-113
2910 Yolo Bypass above Sacramento Bypass	B-261
2911 Reclamation District 1000 Drainage to Sacramento River (Drain 3)	B-112
2912 1000 Drainage to Sacramento River (Prichard Lake)	B-111
2918 1001 Drainage to Natomas Cross Canal	B-110
2920 Natomas Cross Canal at Head	B-253
2925 Sacramento Slough at Sacramento River	B-86
2926 Reclamation District 1500 Drainage to Sacramento Slough	B-85
2927 Sutter Bypass at Reclamation District 1500 Pumping Plant	B-242
2930 Fremont Weir Spill to Yolo Bypass	B-80
2933 Reclamation District 108 Drainage to Sacramento River	B-74
2935 Yolo Bypass near Woodland	B-130
2945 Colusa Basin Drain at Knights Landing	B-78
2950 Reclamation District 787 Drainage to Colusa Basin Drain	B-79
2955 to Sacramento River	B-75
2960 Tisdale Weir Spill to Sutter Bypass	B-72
2963 Reclamation District 1660 Drainage to Tisdale Bypass	B-84
2965 70 Drainage to Sacramento River	B-71
2967 Butte Slough at Outfall Gates	B-69
2971 at Mawson Bridge	B-81
2976 Colusa Basin Drain at Highway 20	B-77
2981 Colusa Weir Spill to Butte Basin	B-64
2984 Cherokee Canal near Richvale	B-68
2986 Moulton Weir Spill to Butte Basin	B-62
3120 Stony Creek near Hamilton City	B-215
3460 Red Bank Creek near Red Bluff	B-54
3520 Cottonwood Creek near Cottonwood	B-203
3545 North Fork Cottonwood Creek near Igo	B-50
3565 Dry Fork, South Fork Cottonwood Creek near Cottonwood	B-51
3595 South Fork Cottonwood Creek near Cottonwood	B-52
4250 Big Chico Creek at Chico	B-58
4265 Butte Creek near Durham	B-66
4280 Little Chico Creek near Chico	B-67
4420 Mill Creek near Mouth	B-209
4440 North Fork Mill Creek near Los Molinos	B-55
4910 Little Chico Creek Diversion near Chico	B-65
5103 Feather River at Nicolaus	B-252
5120 below Shanghai Bend	B-250
5135 at Yuba City	B-104
5165 near Gridley	B-102
5735 North Honcut Creek near Bangor	B-103
5791 Feather River at Oroville	B-101
5910 Sutter Bypass at State Pumping Plant No. 1	B-245
5920 at State Pumping Plant No. 2	B-241
5922 Reclamation District 1660 Drainage to Sutter Bypass	B-240
5925 Sutter Bypass at State Pumping Plant No. 3	B-83
5929 Wadsworth Canal near Sutter	B-82
5935 Sutter Bypass at Longbridge	B-237
6150 Yuba River near Marysville	B-236
6550 Bear River near Wheatland	B-249
7140 American River at Sacramento	B-251
7175 at Fair Oaks	B-257
8125 Cache Creek at Yolo	B-256
9115 South Fork Putah Creek near Davis	B-259
9145 Putah Creek above Davis	B-129
9160 below Winters	B-128
	B-127
<u>Pit River</u>	
A11349 Horse Creek at Little Valley	B-42
1710 Turner Creek near Canby	B-37
1765 Pit River below Alturas	B-36
1810 Big Sage Reservoir near Alturas	B-200
3055 North Fork Davis Creek near Davis Creek	B-33
3060 Lassen Creek near Willow Ranch	B-32

HYDROGRAPHIC AREA CODE NUMBER INDEX TO TABLES OF SURFACE WATER MEASUREMENT STATIONS (continued)

Page

Station
Code
Number

Streamflow and Station Description	Daily Stage, Major Crests, Reservoir Content and Station Description
<u>Pit River (continued)</u>	
A13065 Willow Creek near Willow Ranch	B-31
4100 Pine Creek near Alturas	B-35
4500 South Fork Pit River near Jess Valley	B-34
5150 Burney Creek near Burney	B-45
6100 Hat Creek near Cassel	B-44
7220 Fall River near Dana	B-43
8170 Willow Creek near Adin	B-41
8250 Butte Creek near Adin	B-40
8350 Ash Creek at Adin	B-39
8400 Rush Creek near Adin	B-38
<u>Shasta Lake</u>	
A21010 Sacramento River at Keswick	B-201
1050 Shasta Lake	B-314
1051 Shasta Lake	B-46
1600 Sacramento River near Mt. Shasta	B-30
<u>Sacramento Valley West Side</u>	
A31300 Grindstone Creek near Elk Creek	B-50
2120 Thomas Creek at Paskenta	B-210
6130 Clear Creek near Igo	B-202
<u>Sacramento Valley Northeast</u>	
A40750 Bear Creek near Millville	B-48
1110 Butte Creek near Chico	B-223
2110 Big Chico Creek near Chico	B-214
3110 Deer Creek near Vina	B-211
4110 Mill Creek near Los Molinos	B-208
5110 Antelope Creek near Red Bluff	B-207
7110 Battle Creek near Cottonwood	B-204
7300 South Fork Battle Creek near Mineral	B-53
8375 Salt Creek near Bella Vista	B-48
8400 Little Cow Creek near Ingot	B-47
<u>Feather River</u>	
A54250 Spanish Creek near Quincy	B-94
4370 Indian Creek near Taylorsville	B-98
4450 Red Clover Creek near Genesee	B-97
4455 Red Clover Creek above Abbey Bridge Damsite	B-96
4470 Indian Creek near Boulder Creek Guard Station	B-95
5420 Middle Fork Feather River near Portola	B-93
5520 Little Last Chance Creek near Chilcoot	B-90
5525 Little Last Chance Creek below Frenchman Dam	B-89
5527 Frenchman Reservoir	B-315-316
5530 Frenchman Creek near Chilcoot	B-88
5540 Little Last Chance Creek above Frenchman Dam	B-87
5620 Smithneck Creek near Loyalton	B-91
5720 Miller Creek near Sattley	B-92
6905 Kelly Ridge Turnout to Palermo Canal near Oroville Dam	B-100
6910 Palermo Canal at Oroville Dam	B-99
<u>Yuba-Bear Rivers</u>	
A61380 Deer Creek near Nevada City	B-107
1430 Yuba River at Englebright Dam	B-248
3300 Grizzly Creek near North San Juan	B-106
3350 Bloody Run Creek near North San Juan	B-105
5250 Wolf Creek near Wolf	B-109
<u>American River</u>	
A71120 Inflow to Folsom Lake near Folsom	B-110
1121 Folsom Lake near Folsom	B-317
<u>Cache Creek</u>	
A81200 Cache Creek above Rumsey	B-124
1250 Bear Creek near Rumsey	B-123
1360 Copsy Creek near Lower Lake	B-122
1790 Clover Creek at Upper Lake	B-120
1810 Middle Creek near Upper Lake	B-118
1820 Scott Creek at Upper Lake	B-258
1850 near Lakeport	B-121
1940 Clover Creek Bypass near Upper Lake	B-119
<u>Putah Creek</u>	
A91160 Pleasants Creek near Winters	B-126
1200 Lake Berryessa near Winters	B-318
1250 Putah Creek near Winters	B-262
5010 Pope Creek near Pope Valley	B-125

HYDROGRAPHIC AREA CODE NUMBER INDEX TO TABLES OF SURFACE WATER MEASUREMENT STATIONS (Continued)

Page

Station Code Number	Streamflow and Station Description	Daily Stage, Major Crests, Reservoir Content and Station Description
<u>HYDROGRAPHIC AREA B</u>		
<u>San Joaquin Valley Floor</u>		
B00915	South San Joaquin Irrigation District Drain 11 near Manteca	B-132
1125	Cosumnes River at McConnell	B-149
1520	Dry Creek near Galt	B-147
1580	Deer Creek near Sloughhouse	B-148
2045	Bear Creek near Lockeford	B-141
2105	Mokelumne River at Woodbridge	B-144
2520	Calaveras River near Stockton	B-138
2555	at Bellota	B-137
2560	Mormon Slough at Bellota	B-139
2580	Stockton Diverting Canal at Stockton	B-140
2590	Calaveras River at Jenny Lind	B-264
2805	French Camp Slough near French Camp	B-133
2835	Duck Creek near Stockton	B-136
2870	Littlejohn Creek at Farmington	B-135
2920	Duck Creek Diversion near Farmington	B-134
7020	San Joaquin River near Vernalis	B-131
<u>Cosumnes River</u>		
B11150	Cosumnes River at Michigan Bar	B-266
<u>Mokelumne-Calaveras Rivers</u>		
E21150	Dry Creek near Ione	B-145
1160	Sutter Creek near Sutter Creek	B-146
<u>Sacramento-San Joaquin Delta</u>		
B91100	Sacramento River at Collinsville	B-282
1160	Threemile Slough at Sacramento River	B-281
1210	Sacramento River at Rio Vista	B-280
1260	Yolo Bypass at Lindsey Slough	B-279
1475	Miner Slough at Five Points	B-278
1500	Yolo Bypass at Liberty Island	B-277
1560	near Lisbon	B-276
1600	Sacramento River at Isleton	B-275
1650	at Walnut Grove	B-274
1700	Delta Cross Channel at Walnut Grove	B-273
1740	Snodgrass Slough at Twin Cities Road Bridge	B-306
1750	Sacramento River at Snodgrass Slough	B-272
1850	near Freepoint	B-271
4100	Georgiana Slough at Mokelumne River	B-307
4150	South Fork Mokelumne River at New Hope Bridge	B-305
4200	Mokelumne River near Thornton	B-304
5020	San Joaquin River at Antioch	B-310
5060	Threemile Slough at San Joaquin River	B-309
5100	San Joaquin River at San Andreas Landing	B-308
5140	Old River at Holland Tract	B-303
5180	near Rock Slough	B-302
5220	Rock Slough at Contra Costa Canal Intake	B-301
5260	Old River at Mansion House	B-300
5270	near Byron	B-299
5280	Italian Slough near Byron	B-298
5300	Grant Line Canal at Tracy Road Bridge	B-297
5340	Old River at Clifton Court Ferry	B-296
5380	near Tracy Road Bridge	B-295
5420	Tom Paine Slough above Mouth	B-294
5460	Middle River at Bacon Island	B-293
5500	at Borden Highway	B-292
5540	at Mowry Bridge	B-291
5580	San Joaquin River at Venice Island	B-290
5620	at Rindge Pump	B-289
5660	Stockton Ship Channel at Burns Cutoff	B-288
5700	McLeod Lake at Stockton	B-285-287
5740	San Joaquin River at Brandt Bridge	B-284
5820	at Mossdale Bridge	B-283
5910	Contra Costa Canal near Oakley	B-143
5925	Delta Mendota Canal near Tracy	B-142
<u>HYDROGRAPHIC AREA E</u>		
<u>Napa-Solano</u>		
E33300	Suisun Bay at Benicia Arsenal	B-311
<u>HYDROGRAPHIC AREA G</u>		
<u>Surprise Valley</u>		
G12200	Bidwell Creek near Fort Bidwell	B-151
5150	Cedar Creek at Cedarville	B-152
7150	Eagle Creek at Eagleville	B-153
<u>Eagle Lake</u>		
G31150	Pine Creek near Susanville	B-154
2100	Eagle Lake near Susanville	B-268
<u>Susan River</u>		
G47450	Old Run Creek near Susanville	B-156
2270	Willow Creek near Litchfield	B-155

HYDROGRAPHIC AREA CODE NUMBER INDEX TO TABLES OF SURFACE WATER MEASUREMENT STATIONS (continued)

Station Code Number		Page	
		Streamflow and Station Description	Daily Stage, Major Crests, Reservoir Content and Station Description
<u>Herlong</u>			
061200	Long Valley Creek near Doyle	B-157	
<u>Truckee River</u>			
071800	Upper Truckee River near Meyers	B-160	
3100	Trout Creek near Tahoe Valley	B-159	
4100	Blackwood Creek near Tahoe City	B-158	

INTRODUCTION

The Department of Water Resources is concerned with gathering basic data relating to water supply and utilization. In addition to the collection of data on operational water supply, the department is actively engaged in the collection of hydrologic water supply data to augment the base network of the United States Geological Survey. The work consists of field measurements, observations, and office computations to determine quantities of streamflow and diversions. In addition, daily mean gage heights and crests are determined for certain stations, and for tidal stations in the Sacramento-San Joaquin Delta, maximum and minimum stages are determined.

The field activities include the construction and maintenance of streamflow gaging stations, the measurements of (1) flow in streams and drainage channels, (2) the amounts of water returned to natural channels through drainage plants or gravity drains, and (3) the amounts of water diverted for use by each water user.

Much of the office work is comprised of the preparation of hydrographic data for computation by machine methods. This work consists of developing a rating curve for each streamflow station from a series of instantaneous discharge measurements, and relating a formula to the curve. The formula is used by the computer to compute the streamflow quantities.

The office work also includes the manual computation and compilation of the discharge of certain rivers and streams which are not readily computable by an electronic computer.

Where a direct stage-discharge relationship does not exist the discharges are not readily amenable to machine computation. Such a lack of direct relationship may occur when ice forms on the control, or when there is backwater from a tributary or a control structure downstream.

Quantities of water diverted for use are also computed as a regular part of the office work. The quantities computed are total monthly acre-feet. The acre-foot quantities for most diversion points are computed from pumping plant efficiency curves which are developed from a series of instantaneous discharge measurements. The electric power input, the pumping head, and the discharge are recorded simultaneously to compute the efficiency of a pumping plant. This recording of pumping data is done as part of the field work previously mentioned. The office work involved required the development of the efficiency curves and the computation of the monthly acre-feet by using the monthly electric power input records.

Definitions of Terms

Terms used herein are defined as follows:

Second-foot or cubic foot per second is the unit rate of discharge of water. It is a cubic foot of water passing a given point in one second.

Acre-foot is the quantity of water required to cover one acre to a depth of one foot. It is equivalent to 43,560 cubic feet or 325,850 gallons.

Drainage area of a stream at a specific location is that area, enclosed by a topographic divide, into which all

surface runoff will drain by gravity into the stream above the specified point.

Unimpaired runoff is the flow that would occur naturally at a point in a stream if there were: (1) no upstream controls such as dams and reservoirs; (2) no artificial diversions or accretions; and (3) no changes in ground water storage resulting from development. Unimpaired flow is computed from measured runoff by allowing for man-made changes in natural conditions.

Water year is the 12-month period from October 1 of any year through September 30 of the subsequent year, and is designated by the calendar year in which it ends.

Consumptive use is the water transpired, evaporated, and used in promoting vegetative growth plus the water evaporated from adjacent soil and water surfaces.

Scope of Report

This appendix of the hydrologic data report presents surface water data for the Water Year 1963 which is from October 1, 1962 to September 30, 1963, inclusive. The primary data presented herein, consists of stream gaging station descriptions, streamflow quantities, stream stage tables, diversion quantities and reservoir contents.

Tables of streamflow records show the station location, the historic maximum discharge, maximum discharge for the report year, period of record, and datum of gage.

Quantities of daily mean discharge for most stations shown herein were computed by an electronic computer. Gage height data are extracted from standard recorder charts by a

semi-automatic reading machine and put into machine language. The gage height data and rating data are fed into the computer simultaneously, from which daily mean discharges, total monthly acre-feet, and instantaneous maximum and minimum discharges are computed. Those gaging stations presented herein, which are affected by a backwater condition, are not adaptable to computation by machine, hence are computed manually.

Daily mean stage tables of regular streams, and daily maximum and minimum stage of tide affected streams are shown herein. Most of these daily mean gage heights are computed by electronic computer, mentioned above. Generally the gage height data are to the nearest one-hundredth of a foot, and the major crests for the year are shown.

Quantities of water diverted for use are shown as are the names of the water users. The diversion quantities are shown as monthly total acre-feet and total acre-feet diverted for a stream or certain reach of a stream. Starting with this report the diversion season coincides with the water year. Previously the diversion season reported was from November through October. Daily reservoir content in thousands of acre-feet are shown herein, for the major Central Valley Project and State reservoirs.

Included in this report are tables of contents of reservoirs, the deliveries from reservoirs and the Contra Costa Canal, and the exportations from Putah Creek and the Sacramento-San Joaquin Delta.

Included in this publication also are the pertinent surface water data formerly included in "Report of Sacramento-

San Joaquin Water Supervision" published from 1924 through 1955; in "Bulletin No. 23, Surface Water Flow" published from 1956 through 1962, and in "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys," published from 1913 through 1956.

The objective of this appendix of the hydrologic data report is to bring together, in a permanent and usable form, the surface flow data for the 1963 water year, gathered by the Department of Water Resources and cooperating agencies.

Tables

The tables of daily mean discharge and stage herein are presented by the hydrographic region in which they are located. The hydrographic regions are the same as those used by the State Water Pollution Control Board. The regions, pertinent to this report include the Northern Lahontan Region, and that portion of the Central Valley Region which contains the Sacramento-San Joaquin Delta, Sacramento River Basin, and the northern portion of the San Joaquin River Basin.

Runoff Comparisons

The relative magnitude of runoff occurring on any one stream during a given year may be shown as the ratio of the runoff of that year with the average runoff of the stream expressed as a percentage. For this report, the average unimpaired runoff is computed for the 50-year period October 1908 through September 1958. Table 1 presents, for the major streams of the Central Valley area, the 1962-63 monthly unimpaired runoff expressed as a percent of the 50-year average monthly unimpaired runoff. Table 2 shows the unimpaired average annual runoff for the same

same streams and the percentage of the 50-year average unimpaired runoff for each water year from 1922-23 through 1962-63.

Summary of Water Supply and Utilization, Sacramento-San Joaquin Delta

The complexity of waterways, tidal action, seepage, and methods of agricultural water use results in hydrologic problems which preclude normal methods of measuring water supply and water utilization in the Sacramento-San Joaquin Delta.

The correlation of water supply and use for the Delta Service Area, divided into uplands and lowlands, is shown in Table 3. The water supply available to the area is determined from 14 gaging stations, listed under "Water Supply" in the table, and from 42 precipitation stations in the area. "Water Utilization" in the same table, includes agricultural use, evaporation, exports through the Delta-Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is determined by direct measurement of diversions; however, in the lowlands, because it cannot be measured directly, agricultural use is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27 "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays." Crop acreages are determined by periodic land use surveys. Values used in this report were determined from a survey made in 1960 and 1961.

Daily Mean Discharge

The streamflow tables are arranged, for each stream or stream system, in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named from the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

Each stream gaging station has a stage-discharge relationship or rating developed. The rating gives the flow in second-feet for each gage height at the station. When flows at a single station occur in excess of 140 percent of the highest measurement on the rating, the computed daily mean discharges are shown as estimated. Normally, the rating is fairly permanent where there is a fixed channel and a fixed flow regimen at the station. The rating varies, however, where the bed of the channel is of loose shifting sand, or where aquatic growth builds up in the channel, changing the flow regimen.

Where the rating is not permanent and varies periodically, more frequent measurements of discharge are necessary to accurately determine the daily mean discharge.

An automatic water stage recorder is in operation at most of the gaging stations used in this work. The continuous records of water surface elevations at the stations serve three major purposes. First, the water surface elevation (gage height) is a factor in determining the flow of the stream passing the station. Second, the actual surface elevations at two adjacent stations on a stream afford the means of obtaining the water

surface elevations at the pumping plants along the stream between those stations. Third, the gage heights are used to determine flood crests. These elevations are used to determine the pumping heads, which in turn become factors in determining the rates of diversion or drainage by pumping plants.

All streamflow data reported herein are derived through the use of mechanical, arithmetical, and empirical operations and methods. Since the results are affected by inherent inaccuracies in the procedures and equipment used, it becomes necessary to establish limits of accuracy for which the data are reported. The following is a listing of significant figures used in reporting streamflow data:

1. Daily flows - second-feet

0.0 - 9.9	Tenths
10 - 99	2 significant figures
100 - up	3 significant figures

2. Means - second-feet

0.0 - 99.9	Tenths
100 - 999	3 significant figures
1000 - above	4 significant figures

The water year totals are reported to a maximum of four significant figures.

Daily Mean Gage Heights

Tables of daily mean gage height and crest stages were published prior to 1957 in a report by the department, entitled "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys."

Two types of daily data are presented for the height or stage of water surface: (1) for streams subject to tidal influences, daily maximum and minimum gage heights; and (2) for

those streams beyond tidal influence, daily mean gage height, or an average of one or more daily staff gage or wire-weight gage readings. Major river crests for the water year are shown at the bottom of the stage tables and the maximum crests are shown for stations where continuous recorders are in operation.

Gage heights for stage tables are read in the field or computed from recorder charts, and may be reported to either the nearest tenth of a foot or one-hundredth of a foot.

The elevation of the water surface at the gaging station is obtained by adding the gage height readings to the elevation of the gage datum presented in the station history descriptions.

Lakes and Reservoirs

Two types of data are presented for lakes and reservoirs: (1) daily content in acre-feet for Frenchman Reservoir and for Shasta, Folsom, and Berryessa Lakes; and (2) mean inflow in second-feet for Folsom and Shasta Lakes. Plate B-3 consists of hydrographs of Shasta Lake and Folsom Lake.

Diversions

These tables show the water diverted during the period October 1, 1962 - September 30, 1963. While the major use of water is for agriculture, small amounts that are diverted for municipal and industrial uses are also reported. The amounts of water diverted by pumping were determined by rating the capacity of each diversion pumping plant and collecting data of power usage and hours of operation. The amounts of water diverted by gravity (indicated by "Gravity" in column headed "Number and

Size of Pump") were determined either by calibrating suitable measuring devices or by rating canals. For quantities diverted by gravity and subirrigation from tidal affected streams, consumptive use factors were applied to the irrigated area. The monthly diversion values are reported in acre-feet to three significant figures. The totals for individual water users and stream reaches are reported to four significant figures.

Miscellaneous Measurements

Table B-136 contains tabulations of measurements of streamflow on various streams at locations other than those where continuous recorders are maintained. When the flows as shown here are correlated with flows of nearby streams, an estimate of the runoff can be determined.

Numbering System of Recording Stations

To facilitate station identification each gaging station was assigned a six digit code. The method used in assigning these code numbers is as follows: The State was first divided into major hydrographic areas and each of these areas was assigned an alphabetic letter which is the first symbol of the six part code. The second symbol was obtained by dividing the major hydrographic areas into stream basins of primary importance and assigning a digit from 0-9 with 0 generally being the valley floor. The symbol indicates the stream and/or branch on which the station is located. Where a stream crosses a valley floor the third symbol indicates the river basin from which the stream originates, and the fourth symbol now designates the stream. The last three symbols

designate the relative number of the station on the stream system, except in the valley floor, where the last two symbols indicate the relative number. Station numbers increase numerically proceeding upstream. When a minor tributary enters the stream system the station numbers progress up the minor tributary and then up the main stem.

The first two symbols of this code number are shown, encircled on Plates B-1 and B-2. They signify the following hydrographic areas and basins:

Hydrographic Area A

A0 - Sacramento Valley Floor	A5 - Feather River
A1 - Pit River	A6 - Yuba-Bear Rivers
A2 - Shasta Lake	A7 - American River
A3 - Sacramento Valley West Side	A8 - Cache Creek
A4 - Sacramento Valley Northeast	A9 - Putah Creek

Hydrographic Area B

B0 - San Joaquin Valley Floor	B2 - Mokelumne-Calaveras Rivers
B1 - Cosumnes River	B9 - Sacramento-San Joaquin Delta

Hydrographic Area G

G1 - Surprise Valley	G5 - Smoke River
G2 - Madeline Plains	G6 - Herlong
G3 - Eagle Lake	G7 - Truckee River
G4 - Susan River	G8 - Carson River
	G9 - Walker River

The last four symbols of the code are shown at the recording station locations on Plates B-1 and B-2. All six symbols are indicated on the hydrographic area index, and on the alphabetic index to the streamflow and stage tables, and in the upper right-hand box of the table for each individual gaging station.

Examples.

Station: Pit River below Alturas

Number: A 1 1 7 6 5

Hydrographic Area A

River Basin 1

River Main Branch 1

Relative Number 7 6 5

Station: Middle Fork Feather River near
Portola

Number: A 5 5 4 2 0

Hydrographic Area A

River Basin 5

River Branch 5

Relative Number 4 2 0

Station: Feather River at Yuba City

Number: A 0 5 1 3 5

Hydrographic Area A

Valley Floor 0

River Basin 5

River Main Branch 1

Relative Number 3 5

TABLE 1
MONTHLY UNIMPAIRED RUNOFF AT MAJOR STATIONS
In percent of average

Month		Sacrament. and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Peatrer River at Oroville (b)	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San J-aquin River near Vernalis (a)
October 1962	Percent*	585	328	645	1080	1650	1530	500	105
	Average**	472	275	418	93	28	22	4	50
November 1962	Percent*	86	98	96	113	89	57	47	31
	Average**	851	409	727	164	79	75	16	108
December 1962	Percent*	114	122	129	150	144	104	60	26
	Average**	1677	754	1421	329	171	167	33	223
January 1963	Percent*	70	50	68	87	94	90	106	76
	Average**	2428	1112	2073	446	239	276	45	310
February 1963	Percent*	174	107	160	206	232	236	298	237
	Average**	2817	1263	2372	526	273	310	55	390
March 1963	Percent*	71	80	72	64	71	62	57	71
	Average**	3058	1141	2442	621	309	371	79	537
April 1963	Percent*	158	240	184	162	140	136	98	89
	Average**	3675	1000	2658	782	402	474	132	285
May 1963	Percent*	130	145	138	130	137	142	138	116
	Average**	4007	714	2393	700	441	538	198	1416
June 1963	Percent*	107	104	96	94	91	94	107	120
	Average**	2596	456	1330	344	229	301	131	1135
July 1963	Percent*	121	109	104	106	95	86	106	152
	Average**	1008	319	604	156	57	72	23	381
August 1963	Percent*	120	118	114	103	133	83	175	148
	Average**	497	261	406	103	24	18	4	87
September 1963	Percent*	117	114	114	117	90	131	127	145
	Average**	410	250	570	86	21	13	2	38
1962-63 Water Year	Percent*	129	125	135	147	147	135	122	112
	Average**	23496	7954	17214	4350	2273	2637	722	5560

* Preliminary data subject to revision.
 ** Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1907 through September 1957.
 a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.
 b Formerly listed as "Peatrer River near Oroville." Station located, prior to July 1, 1962, at a site 5.2 miles upstream.

TABLE 2
ANNUAL UNIMPAIRED RUNOFF AT MAJOR STATIONS
In Percent of average

Water Year	Sacramento and San Joaquin Rivers at Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River at Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff*	23496	7954	17214	4350	2273	2637	722	5560
1922-23	83	67	77	71	91	104	98	99
1923-24	32	41	34	29	27	21	26	27
1924-25	95	101	94	72	93	103	116	99
1925-26	66	71	69	73	70	52	52	63
1926-27	134	138	139	134	156	139	124	117
1927-28	93	96	98	97	107	96	89	79
1928-29	49	56	49	43	44	43	48	52
1929-30	74	77	78	89	80	63	64	59
1930-31	34	41	36	33	29	27	29	30
1931-32	87	64	76	75	93	99	103	119
1932-33	54	58	52	44	47	48	59	60
1933-34	48	57	50	47	44	42	41	41
1934-35	101	94	97	97	99	98	97	116
1935-36	105	89	101	98	114	129	124	117
1936-37	88	75	77	72	82	88	96	117
1937-38	188	184	184	196	178	171	172	202
1938-39	49	55	48	43	40	40	47	53
1939-40	127	132	130	129	126	130	119	119
1940-41	153	180	158	149	141	119	117	143
1941-42	143	142	146	152	150	148	137	133
1942-43	125	107	123	129	138	147	139	130
1943-44	62	59	60	64	61	56	62	69
1944-45	95	83	87	86	93	96	108	119
1945-46	102	101	102	95	105	109	103	104
1946-47	60	64	60	58	60	54	55	61
1947-48	88	95	91	88	89	85	88	76
1948-49	69	76	69	60	65	70	71	68
1949-50	85	72	83	88	98	101	104	84
1950-51	134	114	133	130	156	176	160	130
1951-52	168	145	166	182	182	188	183	173
1952-53	106	121	117	119	112	101	94	78
1953-54	94	116	102	96	85	76	73	77
1954-55	63	71	64	57	56	60	61	63
1955-56	175	166	174	183	175	177	173	177
1956-57	82	90	86	83	86	82	83	78
1957-58	166	190	173	160	155	155	147	150
1958-59	66	85	70	65	55	47	52	54
1959-60	70	81	76	74	75	64	58	53
1960-61	61	90	70	61	50	40	39	37
1961-62	91	94	88	82	85	78	88	101
1962-63**	129	125	135	147	147	135	122	112

* Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1907 through September 1957.
 ** Preliminary data subject to revision.
 a Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.
 b Formerly listed as "Feather River near Oroville." Station located, prior to July 1, 1962, at a site 5.2 miles upstream.

TABLE 3
SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA
In thousands of acre-feet

Item	Record in Table No.	1962			1963									Water Year Total
		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	
WATER SUPPLY														
<u>Measured Inflow</u>														
Sacramento River at Sacramento	92	1764	994	1963	1186	3115	1502	3667	2631	1047	747	705	965	20290
Sacramento Weir Spill to Yolo Bypass	88	4	0	0	0	306	0	0	0	0	0	0	0	311
Yolo Bypass near Woodland	105	825	1	22	13	1188	58	1501	46	5	0	1	3	3663
South Fork Putah Creek near Davis	104	1	0	1	11	7	3	13	19	3	2	1	0	62
Morrison Creek near Sacramento	125	5	0	1	1	4	2	3	1	0	0	0	0	18
Cosumnes River at McConnell	124	23	1	10	7	119	45	149	86	17	2	0	0	459
Dry Creek near Galt	122	2	0	2	1	34	17	38	7	1	0	0	0	103
Mokelumne River at Woodbridge	119	13	15	17	33	82	32	103	163	91	6	3	5	563
Bear Creek near Lockeford	116	0	0	0	0	3	1	2	0	0	0	0	0	7
Calaveras River near Stockton	113	0	0	1	0	5	0	7	0	1	1	1	1	17
Stockton Diverting Canal at Stockton	115	0	0	1	0	44	2	42	1	1	1	1	0	94
Duck Creek near Stockton	111	0	0	0	0	1	0	1	0	0	0	0	0	3
French Camp Slough near French Camp	108	2	0	0	0	18	5	17	2	2	1	1	3	53
San Joaquin River near Vernalis	106	89	98	150	108	455	160	513	574	396	112	67	90	2812
<u>Precipitation (a)</u>		246	22	94	160	153	165	193	28	1	0	0	12	1074
Total Water Supply		2974	1131	2262	1520	5534	1992	6249	3558	1565	872	780	1079	29529
WATER UTILIZATION														
<u>Consumptive Use in Delta Lowlands (b)</u>		103	49	36	26	31	45	95	138	165	222	234	174	1320
<u>Exportations</u>														
Delta-Mendota Canal	117	85	44	0	28	42	109	70	167	204	249	227	120	1344
Contra Costa Canal	118	5	3	3	3	3	3	4	4	7	9	10	8	63
City of Vallejo		1	1	1	1	1	1	0	1	1	2	1	1	11
<u>Delta Uplands Diversions</u>														
Old River	154	4	0	0	0	0	5	0	13	24	25	24	15	110
Tom Paine Slough	154	1	0	1	0	0	2	0	3	4	4	4	3	21
French Camp Slough below French Camp	154	0	0	0	0	0	0	0	0	0	1	0	0	2
San Joaquin R (Stockton to Vernalis)	155	3	1	1	0	0	6	2	14	17	18	18	11	90
Sacramento River below Sacramento	159	0	0	0	0	0	1	1	1	1	1	2	1	8
Yolo Bypass (West Cut)	160	2	0	1	0	0	0	0	0	4	6	8	5	27
Calaveras River below Stockton	156	0	0	0	0	0	0	0	0	0	0	0	0	0
Mokelumne River below Woodbridge	157	0	0	0	0	0	0	0	1	2	2	2	1	9
Cosumnes River below McConnell	158	0	0	0	0	0	0	0	1	1	1	1	0	4
Putah Creek below Davis	161	0	0	0	0	0	0	0	0	0	0	0	0	1
Miscellaneous	162	5	1	1	0	0	0	0	5	16	16	16	12	73
Total Water Utilization		207	99	44	58	77	172	172	348	446	556	547	351	3083

a Water supply from precipitation has been computed using weighted monthly mean rainfall and the acreage of the Delta Service Area.
b Consumptive use in the Delta Lowlands has been computed using monthly unit consumptive use factors for classified vegetation and evaporation, and acreage data obtained through the land use survey of 1961.

TABLE 4

GAGING STATION
ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

Italian Slough near Byron
Kelly Ridge Turnout to Palermo Canal near Oroville Dam
Old River near Byron
Palermo Canal at Oroville Dam
Reclamation District 1000 Drainage to Sacramento River
(Drain 3)

DISCONTINUED STATIONS

Bloody Run Creek near North San Juan
Dry Creek near Wheatland
Frenchman Creek near Chilcoot
Grizzly Creek near North San Juan
Little Last Chance Creek above Frenchman Dam
Old River at Mansion House
Spanish Creek near Quincy
West Valley Reservoir near Likely

PUBLICATION DISCONTINUED

Blackwood Creek near Tahoe City
Trout Creek near Tahoe Valley
Upper Truckee River near Myers

PUBLISHED DATA FROM PRIOR YEARS

Frenchman Reservoir (contents) - 1962
McLeod Lake at Stockton - 1956, 1957

TABLE 5
DAILY MEAN DISCHARGE
SACRAMENTO RIVER NEAR MT. SHASTA

in second-feet

STATION NO.	WATER YEAR
A21600	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	66	131	266	174	1670 E	227	344	499	300	98 E	58 E	47 E	1
2	67	129	751	172	1110 #	216	296	499	269 E	95 #	58 E	47 E	2
3	70	130	713	168	2670 E	215	278	532	252 E	96 E	56 E	47 E	3
4	72	130	451	163	2220 E	206	270	660	238 #	95 E	53 E	47 E	4
5	73	130	365	158	1660 E	202	388	1110	245	93 E	54 E	47 E	5
6	74	131	325	153	1300 E	195	821	1100	220	91 E	52 E	47 E	6
7	75	133	303	152 *	927	190	811	1190	208	91 E	51 E	47 E	7
8	81	131	286	144	917	183	595	935	197	88 E	51 E	47 E	8
9	173 *	145	271	142	748	175	487 *	709	186	84 E	51 E	48 E	9
10	538	148	259	135	654	168	466	614	186	81 E	51 E	48 E	10
11	905 E	175	241	116	560	159 *	449	526	186	80 E	51 E	48 E	11
12	2830 E	346	227	113	586	155	1050	461	173	78 E	51 E	48 E	12
13	1250 E	258	332	127	784	154 *	1220 E	433	170	78 E	51 E	48 E	13
14	620	219	394	129	579	158	3240 E	431	162	76 E	50 E	48 E	14
15	375	201	1480 E	128	485	162	1690 E	493	155	74 E	50 E	48 E	15
16	277	198	1180 E	127	464	168	911	570	155	70 #	50 E	48 E	16
17	233	194	920	124	420	171	651	688	158	70 E	50 E	50 E	17
18	207	195	669	126	386	176	517	773	141	69 E	50 E	50 E	18
19	191	186	518	119	363	180	457	831	138 E	69 E	50 E	50 E	19
20	176	187	423	121	354	186	386	917	129 E	68 E	50 #	50 E	20
21	167	187	388	122 *	330	188	339	849	127 E	67 E	50 E	50 E	21
22	163	188	335	121	305	184	317	755	127 E	65 E	50 E	50 E	22
23	153	185	304	122	289	215	306	669	125 E	65 E	50 E	50 E	23
24	151	186	275	127	276	205	306	613	124 E	65 E	48 E	50 E	24
25	146	195	258	126	262	194	293	554	115 E	63 E	48 E	50 E	25
26	146	835	229	127	260	198	279	502	110 E	62 E	48 E	51 E	26
27	141	522 *	225	123	243	462	282	436	108 E	61 E	48 E	51 E	27
28	142	352	207	126	235	478	302	402	104 E	61 E	48 E	51 E	28
29	132	294	198	129		446	362	423	102 E	60 E	48 E	51 E	29
30	135	268	190	156		455	461	408	102 E	59 E	48 E	51 E	30
31	133		184	1140 E		418		355		59 E	47 E		31
MEAN	321	224	425	168	752	229	619	643	167	75.2	50.7	48.8	MEAN
MAX.	2830 E	835	1480 E	1140 E	2670 E	478	3240 E	1190	300	98.0E	58.0E	51.0E	MAX.
MIN.	66.0	129	184	113	235	154	270	355	102 E	59.0E	47.0E	47.0E	MIN.
AC.FT.	19760	13310	26120	10330	41770	14060	36840	39540	9941	4623	3116	2906	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE 307	DISCHARGE 9490 E	GAGE HT. 9.56	MO. 10	DAY 12	TIME 1630	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	ACRE-FEET 222300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 16 00	122 18 38	SE33 40N 4W	9490 E	9.56	10/12/62	APR 59-DATE	APR 59-DATE	1959			LOCAL

Station located 1.5 mi. SW of junction of State Highway 89 and U. S. Highway 99, 3 mi. S of Mount Shasta.

TABLE 6
DAILY MEAN DISCHARGE
WILLOW CREEK NEAR WILLOW RANCH

STATION NO.	WATER YEAR
A13065	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4	2.9	18	6.6	125 E	12	28	53	18	3.6	0.5	0.2	1
2	0.3*	2.5	61 E	5.7	25	10	24	51	16	3.0	0.6	0.2	2
3	0.3	2.9	41	8.0	50	10	42	89 E	15	2.6	0.5	0.2	3
4	0.5	3.1	13	5.3	25	10	39	59	15	2.2	0.4	0.2	4
5	0.4	4.2	12	4.2	18	10 *	99 E	49	16	2.1	0.4	0.2	5
6	0.4	3.2	11	4.0	16	10	228 E	46	13	2.1	0.4	0.2	6
7	0.3	3.2	10	4.5	14 *	9.8	118 E	52	11	1.9	0.4	0.2	7
8	0.3	2.9*	9.1	4.4	12	8.6	73	65 E	9.1	1.6	0.5	0.2	8
9	0.4	7.3	8.1	4.4	12	8.0	68	88 E	8.2	1.6*	1.4	0.2	9
10	6.2	9.2	8.0	5.6	11	7.1	59	54	13	1.4	1.2	0.2	10
11	37 E	4.5	6.9	NR	10	7.1	47	262 E	11	1.3	0.9	0.1	11
12	225 E	4.8	7.1	NR	10	5.8	37	136 E	8.9*	1.5	0.7	0.4	12
13	290 E	3.9	7.2	NR	12	6.3	34	89 E	7.9	1.4	0.5	0.9	13
14	83 E	3.7	7.7	NR	10	5.8	53	71 *	7.5	1.4	0.3	0.5	14
15	15	3.1	8.4	NR	9.5	6.4	42	76	6.9	1.5	0.3	0.5	15
16	7.9	3.9	13	NR	12	6.6	66 #	68	7.0	1.2	0.3	1.9	16
17	5.9	3.2	17	NR	20	7.5	69 E	63	6.1	1.1	0.2	0.8	17
18	5.0	4.7	14	NR	15	9.1	57	60	5.8	1.1	0.2	0.5	18
19	4.3	3.7	8.3	NR	14	16	45	60	5.1	0.9	0.2	0.7	19
20	3.9	3.5	7.5	NR	32	18	54	56	4.6	0.9	0.2	0.8	20
21	3.9	2.8	7.1	NR	29	11	50	56	5.9	0.9	0.2	0.8	21
22	3.7	3.6	6.8	NR	19	8.5	84	51	12	0.8	0.3	0.6	22
23	3.6	2.8	5.6	NR	13	10	92 E	46	8.9	0.8	0.3	0.4	23
24	3.6	2.8	5.9	NR	12	8.1	55	40	7.3	0.8	0.3	0.4	24
25	3.6	3.3	5.7	NR	11	6.6	52	35	5.7	0.8	0.3	0.4	25
26	3.6	8.2	7.2	NR	21	6.4	134 E	30	4.5	0.8	0.3	0.4	26
27	3.3	14	7.3	NR	12	8.2	144 E	25	3.6	0.8	0.3	0.3	27
28	3.0	5.5	3.6	NR	13	28	73	26	4.7	0.7	0.1	0.3	28
29	2.9	6.0	4.2	NR	14	14	61	32	7.0	0.7	0.1	0.3	29
30	3.0	6.8	4.7	NR		9.9	58	25	4.6	0.6	0.1	0.3	30
31	3.0		4.5	NR		19		24		0.4	0.1		31
MEAN	23.3	4.5	11.3	NR	20.8	10.1	69.5	62.5	9.0	1.4	0.4	0.4	MEAN
MAX.	290 E	14.0	61.0E	NR	125 E	28.0	228 E	262 E	18.0	3.6	1.4	1.9	MAX.
MIN.	0.3	2.5	3.6	NR	9.5	5.8	24.0	24.0	3.6	0.4	0.1	0.1	MIN.
ACFT.	1435	270	696	NR	1155	622	4136	3842	533	84	25	26	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E end *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
NR	959 E	3.73	10	12	2230	NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 53 23	120 18 57	NE26 47N 14E	959 E	3.73	10/12/62	JUN 61-DATE	JUN 61-DATE			0.00	LOCAL

Station located approx. 2.4 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship at times affected by ice.

TABLE 7
DAILY MEAN DISCHARGE
LASSEN CREEK NEAR WILLOW RANCH

STATION NO.	WATER YEAR
A13060	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	4.6	14	10	48	15	17	95	31	16	4.3	2.0	1
2	0.8*	4.5	23	11	19	14	16	89	29	15	4.1	1.9	2
3	0.9	4.1	31	9.2	25	12	18	137 E	28	15	4.0	1.9	3
4	1.4	4.0	20 *	12	20	13	23	108 E	27	14	3.8	1.8	4
5	1.2	4.6	17	12	17	14 *	43 E	95	27	13	3.6	1.8	5
6	1.0	4.2	16	10	16	14	246 E	90	25	13	3.2	1.9	6
7	1.0	4.0	15	11	15 *	13	178 E	89	24	12	3.2	1.9	7
8	1.2	3.7*	13	11	15	13	123 E	85 E	22	12	3.2	1.7	8
9	1.4	4.7	13	10	14	12	104 E	100 E	21	11	3.3	1.6	9
10	6.8	6.9	12	9.7	13	11	84	76	22	9.4	3.5	1.5	10
11	10	4.9	11	NR	12	11	69	142 E	23	9.1	3.5	1.5*	11
12	75 E	4.5	10	NR	11	10	62	131 E	22 *	8.4	3.2	2.2	12
13	120 E	4.5	11	NR	12	10	60	114 E	21	8.4	2.7	3.7	13
14	49 E	4.5	10	NR	11	9.0	76 E	98 *	20	8.4	2.6*	2.1	14
15	16	4.6	11	NR	11	10	67	98	20	8.2	2.3	2.2	15
16	11	5.0	15	NR	11	10	71 *	90	19	7.5	2.1	3.0	16
17	8.9	4.7	20	NR	13	11	68	84	18	7.5	1.7	2.1	17
18	8.4	5.4	17	NR	13	9.5	62	79	18	7.5	1.6	2.0	18
19	7.7	5.0	14	NR	15	9.9	54	71	18	7.0	1.9	2.0	19
20	7.9	5.5	13	NR	21	13	49	64	17	6.9	2.0	2.2	20
21	7.3	5.4	12	NR	20	13	39	60	17	6.6	1.9	2.0	21
22	7.1	5.3	12	NR	18	11	43	57	18	6.4	2.1	1.9	22
23	6.7	5.3	11	NR	16	12	43	49	18	6.0	2.2	1.8	23
24	6.3	5.3	11	NP	16	10	49	44	18	5.8	2.0	1.8	24
25	6.0	5.5	11	NR	15	10	51	41	18	5.7	1.9	1.6	25
26	5.7	7.3	11	NR	17	9.6	64	37	16	5.4	2.0	1.6	26
27	5.4	11	11	NR	25	10	75	34	16	5.4	1.9	1.4	27
28	5.1	7.9	10	NR	15	14	65	32	15	5.1	1.9	1.4	28
29	5.0	17	10	NR	14	14	79	36	16	5.0	1.9	1.4	29
30	5.1	12	10	NR	13	13	93	33	16	4.4	1.9	1.4	30
31	4.6		10	104 E		13		32		4.1	2.0		31
MEAN	12.7	5.9	13.7	NR	16.6	11.7	69.7	77.1	20.7	8.7	2.6	1.9	MEAN
MAX.	120 E	17.0	31.0	NR	48.0	15.0	246 E	142 E	31.0	16.0	4.3	3.7	MAX.
MIN.	0.8	3.7	10.0	NR	11.0	9.0	16.0	32.0	15.0	4.1	1.6	1.4	MIN.
AC.FT.	783	349	843	NR	920	722	4147	4740	1230	534	162	114	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
NR	417 E	4.56	4	6	0830	NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 53 02	120 20 27	SE27 47N 14E	417 E	4.56	4/6/63	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located at U. S. Highway 395 culvert, approx. 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship at times affected by ice.

TABLE 8
DAILY MEAN DISCHARGE
NORTH FORK DAVIS CREEK NEAR DAVIS CREEK

STATION NO.	WATER YEAR
A13055	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	1.9	6.9	NR	NR	3.9	3.6	22	14	6.1E	4.3	2.6	1
2	1.6*	1.9	3.1	NR	NR	3.9	3.9##	22	13	5.9E	4.4	2.6	2
3	1.4	1.9	3.0	NR	NR	5.4	3.1	28 E	13	5.9E	4.0	2.6	3
4	1.6	1.9	2.7*	NR	NR	7.5	3.7	39 E	13	5.9E	3.9	2.1	4
5	1.4	2.0	2.4	NR	NR	3.5*	6.1	46 E	13	5.9E	4.0	2.4	5
6	1.4	1.9	2.4	NR	5.1	3.5E	15	60 E	11	5.9E	4.0	2.3	6
7	1.6	1.8	2.5	NR	4.4	3.3E	15	60 E	9.7	5.9E	4.0	2.2	7
8	1.5	1.6*	2.5	NR	3.9	3.6E	13	43 E	8.6	5.9E	3.9	2.1	8
9	1.6	2.4	2.5	NR	3.6	3.5	12	36 E	8.0	4.0#	4.6	2.2	9
10	4.0	2.3	2.4	NR	3.0	3.3E	12	26	7.9	6.2	3.9	2.2	10
11	7.2	2.1	2.4	NR	3.0	3.4	11	23	7.1	6.1	3.7	2.4*	11
12	7.9	2.0	2.2	NR	3.0	3.1E	10	22	6.7E	5.7	4.0	3.4	12
13	10	1.9	2.2	NR	2.9	3.3E	9.2	23	6.3E	5.9	3.9	2.9	13
14	6.4	1.9	2.3	NR	2.7	3.7E	10	28 *	6.3E	5.7	3.6	2.6	14
15	4.6	2.0	2.4	NR	2.7	4.0E	9.6	41 E	6.3E	5.6	3.1	2.8	15
16	3.7	2.0	2.4	NR	2.7	4.2	8.4	51 E	6.3E	5.7	2.9	2.7	16
17	3.3*	2.1	2.7	NR	2.6	4.2	8.1	60 E	6.3E	5.7	2.9	2.6	17
18	3.1	2.0	2.6	NR	2.9	3.9E	6.9	65 E	6.3E	5.7	3.0	2.7	18
19	3.1	2.1	2.5	NR	3.4	3.2E	5.9	60 E	6.1E	5.4	3.0	2.7	19
20	3.0	2.0	2.5	NR	4.2	2.9E	5.5	58 E	5.9E	5.1	3.0	2.7	20
21	2.8	1.8	2.4	NR	4.0	2.7	6.4	51 E	5.9E	4.9	3.1	2.7	21
22	2.7	1.8	2.4	NR	3.9	2.8	5.7	48 E	5.9E	5.6	2.9	2.6	22
23	2.7	1.8	2.3	NR	3.9	2.8	6.3	41 E	5.9E	5.4	2.7	2.5	23
24	2.7	1.9	NR	NR	3.9	2.7	7.6	38 E	5.9E	5.1	2.8	2.3	24
25	2.6	1.9	NR	NR	3.9	2.8E	8.6	33 E	5.9E	5.1	2.8	2.3	25
26	2.6	2.1	NR	NR	4.1	2.8	8.9	27	5.9E	4.7	2.7	2.2	26
27	2.5	1.9	NR	NR	4.0	3.1	9.4	24	5.9E	4.5	2.8	2.3	27
28	2.4	2.0	NR	NR	3.9	3.2	11	21	5.9E	4.5	2.7	2.3	28
29	2.1	10	NR	NR	NR	3.1	12	20	5.9E	4.4	2.5	2.2	29
30	2.1	11	NR	NR	NR	3.0	17	17	5.9E	4.3	2.6	2.2	30
31	2.0		NR	NR	NR	3.8		15		4.3	2.6		31
MEAN	3.2	2.5	NR	NR	NR	3.5	8.8	37.0	7.8	5.4	3.4	2.5	MEAN
MAX.	10.0	11.0	NR	NR	NR	7.5	17.0	65.0E	14.0	6.2	4.6	3.4	MAX.
MIN.	1.4	1.6	NR	NR	NR	2.7	3.1	15.0	5.9E	4.0E	2.5	2.1	MIN.
AC.FT.	198	151	NR	NR	NR	218	526	2277	464	331	207	148	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 44 17	120 20 19	SE27 45N 14E				JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station is located approximately 2.1 mi. E of Davis Creek. Tributary to Goose lake via Davis Creek. Stage-discharge relationship at times affected by ice.

TABLE 9
DAILY MEAN DISCHARGE
SOUTH FORK PIT RIVER NEAR JESS VALLEY

STATION NO.	WATER YEAR
A14500	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.1	45	70	NR	166	12	15	183	227	58	21	13	1
2	9.0	42	86	NR	87	9.4	14	208	198	50	17	12	2
3	9.6*	41	85	NR	118	9.8	14	236	199	48	15	10	3
4	15	40	58	NR	89	13	11	249	189	47	16	11	4
5	15	41	50	NR	66	14	19	269	246	45	16	10	5
6	15	40	46	NR	38	11	109	301	205	46	15	12	6
7	15	39	46	NR	30	10	103	295	168	48	15	11	7
8	16	38	48	NR	26	9.7	95	274	158	45	16	9.7	8
9	18	42	52	NR	20	9.0	81	282	144	38	22	12	9
10	58	61	48	NR	18	8.1	83	233	144	37	22	11	10
11	57	50	38	NR	14	7.9	75	274	149	34	18	12	11
12	94	47	40	NR	13	7.9	61	295	130	33	17	13	12
13	280	31	44	NR	14	12	58	228	118	30	13	16	13
14	272	32	50	NR	13	9.7	79	204	120	29	13	14	14
15	121	35	78	NR	10	8.7	79	222	116	33	14	12	15
16	69	39	96	NR	14	10	71	257	116	33	11	15	16
17	52	40	79	NR	17	9.0	77	283	115	31	9.4	18	17
18	48	43	70	NR	17	9.3	76	313	109	33	9.3	26	18
19	48	40	58	NR	19	16	73	338	108	36	8.8	31	19
20	51	41	52	NR	28	19	76	400	108	34	8.5	31	20
21	50	48	51	NR	26	13	85	434	116	32	9.0	31	21
22	51	49	47	NR	12	8.3	119	442	131	25	9.7	27	22
23	52	42	44	NR	10	8.3	137	383	141	23	9.4	25	23
24	54	39	NR	NR	11	8.7	96	345	118	22	9.3	24	24
25	55	41	NR	NR	10	8.7	82	318	102	24	9.1	23	25
26	53	48	NR	NR	44	9.0	118	290	95	25	11	22	26
27	51	61	NR	NR	19	10	162	269	82	26	9.2	22	27
28	51	48	NR	NR	14	15	119	248	83	23	9.6	22	28
29	50	39	NR	NR	NR	14	121	246	91	21	9.2	20	29
30	48	45	NR	NR	NR	8.5	150	232	78	20	10	16	30
31	46	NR	NR	NR	NR	12	NR	242	NR	19	12	NR	31
MEAN	59.1	42.9	NR	NR	34.4	10.7	81.9	284	137	33.8	13.0	17.7	MEAN
MAX.	280	61.0	NR	NR	166	19.0	162	442	246	58.0	22.0	31.0	MAX.
MIN.	9.0	31.0	NR	NR	10.0	7.9	11.0	183	78.0	19.0	8.5	9.7	MIN.
AC.FT.	3635	2553	NR	NR	1910	657	4875	17440	8140	2079	802	1055	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE-FEET NR
	DISCHARGE 457	GAGE HT. 4.73	MO. 5	DAY 21	TIME 2400	DISCHARGE NR	GAGE HT. NR	MO. NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 13 50	120 21 58	NE9 39N 14E	588	5.17	5/12/58	OCT 57-DATE	OCT 57-DATE	1957		0.00	LOCAL

Station located 2.5 mi. E of West Valley Reservoir control structure, W of Jess Valley, 7.3 mi. E of Likely. Stage-discharge relationship at times affected by ice. Flow listed does not include diversion 50 ft. below station to West Valley Reservoir and is not considered to have the same degree of accuracy as other records published in this report.

TABLE 10
DAILY MEAN DISCHARGE
PINE CREEK NEAR ALTURAS

STATION NO.	WATER YEAR
A14100	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	37	84	37	16	16	1
2	NR	NR	NR	NR	NR	NR	NR	36	81	36	16	15	2
3	NR	NR	NR	NR	NR	NR	NR	46	81	33	16	14	3
4	NR	NR	NR	NR	NR	NR	NR	45	75	33	16	14	4
5	NR	NR	NR	NR	NR	NR	NR	52	74	32	15	15	5
6	NR	NR	NR	NR	NR	NR	NR	56	63	32	15	16	6
7	NR	NR	NR	NR	NR	NR	NR	55	60	31	15	15	7
8	NR	NR	NR	NR	NR	NR	NR	52	58	31	14	15	8
9	NR	NR	NR	NR	NR	NR	NR	76	56	31	18	15	9
10	NR	NR	NR	NR	NR	NR	NR	51	57	30	16	14	10
11	NR	NR	NR	NR	NR	NR	NR	83 E	55	30	15	12	11
12	NR	NR	NR	NR	NR	NR	NR	96	53	29	14	17	12
13	NR	NR	NR	NR	NR	NR	NR	73	48	29	14	16	13
14	NR	NR	NR	NR	NR	NR	NR	53	46	28	13	14	14
15	NR	NR	NR	NR	NR	NR	NR	56 *	50	27	13	12	15
16	NR	NR	NR	NR	NR	NR	NR	64	54	26	13	12	16
17	NR	NR	NR	NR	NR	NR	34	70	55	26	14	13	17
18	NR	NR	NR	NR	NR	NR	37	76	57	25	14	13	18
19	NR	NR	NR	NR	NR	NR	28	90	57	23	14	14	19
20	NR	NR	NR	NR	NR	NR	34	110 #	56	23	14	14	20
21	NR	NR	NR	NR	NR	NR	42	98	56	22	15	14	21
22	NR	NR	NR	NR	NR	NR	51 *	103	58	22	15	12	22
23	NR	NR	NR	NR	NR	NR	33	107	55	21	14	12	23
24	NR	NR	NR	NR	NR	NR	19	108 E	51	21	14	10	24
25	NR	NR	NR	NR	NR	NR	16	103 E	48	21	15	9.4	25
26	NR	NR	NR	NR	NR	NR	51	99	45	20	15	10	26
27	NR	NR	NR	NR	NR	NR	59	95	43	19	14	11	27
28	NR	NR	NR	NR	NR	NR	33	91	45	18	14	10	28
29	NR	NR	NR	NR	NR	NR	26	90 *	43	18	14	11	29
30	NR	NR	NR	NR	NR	NR	31	87	39	18	17	10	30
31	NR	NR	NR	NR	NR	NR		86		17	16		31
MEAN	NR	NR	NR	NR	NR	NR	NR	75.6	56.8	26.1	14.8	13.2	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	110 E	84.0	37.0	18.0	17.0	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	36.0	39.0	17.0	13.0	9.4	MIN.
ACFT.	NR	NR	NR	NR	NR	NR	NR	4649	3378	1605	908	784	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
NR	NR				NR				NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 25 59	120 26 32	SW35 42N 13E				NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located approx. 0.3 mi. N of road, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship at times affected by ice. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approx. 2000 ft. downstream.

TABLE 11
DAILY MEAN DISCHARGE
PIT RIVER BELOW ALTURAS

STATION NO.	WATER YEAR
A11765	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	49 *	148	206	97	1630 E	153	146	1060	475	NR	NR	85	1
2	42	141	310	99 *	1720 E	146	190	975	445	NR	NR	88	2
3	35	130	418	99	1650	135	231	936	394	NR	NR	105	3
4	33	120	410 *	99	1310	124	242	958	407	NR	NR	130	4
5	37	120	290	98	936	118 *	232	950	388	NR	NR	155	5
6	34	115	231	97	541	120	538	915	422	NR	NR	157	6
7	29	112	201	99	329	116	1240	881	369	NR	NR	120	7
8	28	107 *	186	97	275	113	1410	856	295	NR	NR	93	8
9	27	106	177	93	233	108	1210	907	253	NR	NR	85	9
10	59	125	172	89	215	104	1020	1030	237	NR	91	85	10
11	101	140	158	85	196	99	814	1070	252	NR	92	90	11
12	733	132	146	82	173	96	624	1390	NR	NR	96	145	12
13	2150 E	119	144	63	158	91	501	1600	NR	117	96 *	173	13
14	2900 E	108	144	61	158	88	463	1590	NR	113	102	192	14
15	2390 E	107	149	68	149	89	509	1500 *	NR	105	118	216	15
16	2010 #	109	192	77	143	91	509	1380	NR	97	139	221	16
17	1560	116	274	81	155	98	624	1250	NR	89	161	214	17
18	1180	117	318	84	177	106	704	1140	NR	83	147	215	18
19	911	121	255	69	178	112	654	1080	NR	80	123	186	19
20	669	117	204	77	193	116	671	1020	NR	76	109	179	20
21	469	113	174	76	353	130	856	986	NR	71	101	183	21
22	328	118	158	80	292	139	917	970	NR	68	94	188	22
23	265	120	149	85	226	130	1010	966	NR	65	89	177	23
24	255	118	108	88	190	121	1060	934	NR	62	88	153	24
25	245	112	120	88	168	113	1070	872	NR	61	86	134	25
26	207	111	99	86	159	107	1050	778	NR	NR	81	123	26
27	188	141	89	83	179	103	1240	685	NR	NR	81	116	27
28	179	220	88	83	168	106	1280	592	NR	NR	90	115	28
29	172	175	94	90		121	1220	504	NR	NR	104	112	29
30	163	148	101	88		137	1140	464	NR	NR	97	108	30
31	156		106	479		137		502	NR	NR	89		31
MEAN	568	126	189	98.1	438	115	779	992	NR	NR	NR	145	MEAN
MAX.	2900 E	220	418	479	1720 E	153	1410	1600	NR	NR	NR	221	MAX.
MIN.	27.0	106	88.0	61.0	143	88.0	146	464	NR	NR	NR	85.0	MIN.
AC.FT.	34920	7509	11650	6030	24310	7075	46360	60970	NR	NR	NR	8614	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE-FEET NR
	DISCHARGE 3390 E	GAGE HT. 16.04	MO. 10	DAY 14	TIME 0200	DISCHARGE NR	GAGE HT. NR	MO. NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 28 54	120 36 25	NE13 42N 11E	3390 E	16.04	10/14/62	OCT 57-DATE	OCT 57-DATE	1957		0.00	LOCAL

Station located at county road bridge, 5 mi. W of Alturas. Stage-discharge relationship at times affected by temporary diversion dam approx. 3 mi. below station and also by ice. During periods of backwater affect by dam, flow listed is not considered to have the same degree of accuracy as other records published in this report. Flow is regulated by many small reservoirs.

TABLE 12
DAILY MEAN DISCHARGE
TURNER CREEK NEAR CANBY

STATION NO.	WATER YEAR
A11710	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2*	3.0	6.7	5.2	579 *	18	214	34	4.2	1.9	0.5	0.3	1
2	0.2	2.7	32	5.4	216	16	170	33	3.2	1.8	0.5	0.2	2
3	0.3	2.5	40 *	5.6	178	14	139 *	42	3.0	1.6	0.5	0.2	3
4	0.4	2.4	14	5.4	115	13	110	34	3.0	1.6	0.5	0.2	4
5	0.3	2.9	11	5.4	89	13	148 E	29	3.1	1.7	0.6	0.3	5
6	0.2	2.4	9.5	4.9	69	12	630 E	26	2.6	1.7	0.5	0.3	6
7	0.3	2.2*	8.0	4.2	57	11	684 E	32	2.5E	1.7	0.5	0.3	7
8	0.5	2.1	6.7	3.7	49	10	510 E	36	2.3E	1.4	0.5	0.3	8
9	0.7	2.8	5.8	3.7	38	9.4	365 E	58	2.3E	1.2	0.6	0.2	9
10	91	3.6	5.3	2.9	30	8.1	305	45	2.2E	1.2	0.6	0.3	10
11	714 E	2.6	4.8	2.5E	23	7.9	218	45	2.3#	1.2	0.5	0.3	11
12	1580 E	2.3	4.5	2.4E	20	6.9	160	35	2.4	1.1	0.5	0.3	12
13	1500 E	2.1	4.4	2.4E	32	6.4	127	29	2.2	1.1	0.4*	0.4	13
14	1070 E	1.9	4.6	1.9E	26	7.4	159	25	2.3	1.5	0.4	0.3	14
15	361 E	1.8	73	1.8E	21	8.7	160	22	2.2	1.0	0.4	0.3	15
16	141 *	2.0	145	1.7E	32	8.8	191	18	2.3	0.9	0.4	0.3	16
17	87	1.9	184	1.6E	54	8.9	180	14	2.2	1.0	0.4	0.3	17
18	71	2.1	117	1.5E	45	11	140	12	2.1	0.9	0.4	0.3	18
19	55	2.0	67	1.4E	46	20	140	11	1.9	0.9	0.4	0.4	19
20	39	1.8	47	1.2E	81	44	144	9.3	2.0	0.8	0.4	0.3	20
21	28	1.7	33	1.1E	68	45	160	8.7	2.6	0.8	0.4	0.3	21
22	16	2.1	24	1.1E	44	30	138	8.5	3.9	0.8	0.4	0.3	22
23	11	2.0	17	0.9E	31	32	103	7.4	3.0	0.7	0.4	0.3	23
24	8.5	1.9	12	0.8E	25	51	82	6.6	2.5	0.7	0.4	0.3	24
25	7.0	1.9	9.0	0.7E	21	36	68	6.0	2.2	0.7	0.4	0.3	25
26	5.9	4.9	6.7	0.8E	25	26	64	5.3	2.0	0.7	0.4	0.2	26
27	5.2	11	6.7	0.7E	18	179 E	51	4.5	1.9	0.7	0.2	0.2	27
28	4.4	5.3	7.0	0.6E	19	337 E	45	4.2	2.8	0.6	0.2	0.2	28
29	3.9	3.0	6.5	0.6E	340	40	40	5.6	2.8	0.6	0.2	0.2	29
30	3.4	3.1	6.7	0.5E	285	37	37	5.5	2.3	0.6	0.3	0.2	30
31	3.2		5.4	395 E	287			7.0		0.5	0.3		31
MEAN	187	2.8	29.8	15.1	73.3	61.4	189	21.2	2.5	1.1	0.4	0.3	MEAN
MAX.	1580 E	11.0	184	395 E	579 E	340	684 E	58.0	4.2	1.9	0.6	0.4	MAX.
MIN.	0.2	1.7	4.4	0.5E	18.0	6.4	37.0	4.2	1.9	0.5	0.2	0.2	MIN.
AC.FT.	11520	167	1833	927	4068	3774	11270	1306	151	67	26	16	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
48.5	3250 E	10.18	10	12	2010	0.0		10	1	2400	35130

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 25 53	121 00 34	SE35 42N 8E	3250 E	10.18	10/12/62	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 1.4 mi. above mouth, 7.3 mi. W of Canby. Tributary to Pit River. Stage-discharge relationship at times affected by ice.

TABLE 13
DAILY MEAN DISCHARGE
RUSH CREEK NEAR ADIN

STATION NO.	WATER YEAR
A18400	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.4*	4.6	25	6.2	587 E	22	56 *	29	15 E	3.6	2.1	3.0	1
2	1.8	4.7	89 E	6.5	143 *	21	55	30	15 E	3.7	3.7	2.9	2
3	1.4	4.7	72 *	7.7	141	20	56	35	14 E	3.7	3.3	3.0	3
4	0.9	4.9	40	8.0*	85	18 *	52	33	13 E	3.5	3.3	2.6	4
5	0.6	5.3	32	7.4	62	19	74	30	12 E	3.5	3.5	2.5	5
6	0.4	5.2	27	6.7	51	18	321 E	29	11	3.2	3.1	2.3	6
7	0.2	5.3	21	6.7	42	17	353 E	30	10	3.3	2.7	2.1	7
8	0.1	5.1	19	5.9	35	15	175	32	9.0	3.6	2.9	2.0	8
9	0.1	7.2*	16	5.8	30	13	114	45	8.4	3.8	2.9	2.1	9
10	0.9	11	14	4.7	28	13	83	35	8.7	3.7	3.0	2.3*	10
11	60 E	6.2	13	3.3E	24	12	68	39	7.4*	3.6	3.0	2.3	11
12	205 EE	5.5	11	3.6E	22	12	56	32	6.5	3.6	3.0	2.4	12
13	508 EE	4.7	10	4.4E	24	11	51	29	6.3	3.6	3.0	2.9	13
14	296 E	4.4	9.8	5.7E	20	11	57	27	6.1	3.7	2.1	2.9	14
15	95	4.0	24	5.9E	18	12	57	25	5.5	3.7	2.1	2.7	15
16	48 *	4.0	39	5.3E	19	12	52	23	7.1	3.6	2.0	2.8	16
17	33	4.0	42	4.6E	25	12	52	22	5.9	3.7	1.9	2.4	17
18	25	3.9	37	4.2E	21	11	46	22	4.7	3.7	1.9	2.3	18
19	20	3.6	24	4.3E	21	16	43	21	4.2	3.6	1.9	2.5	19
20	17	3.6	21	3.9E	45	22	45	21	4.0	3.4	1.8	2.5	20
21	14	3.4	19	4.2E	38	20	40	20	4.0	3.5	2.0	2.5	21
22	12	3.4	16	4.5E	28	17	50	20 E	4.3	3.5	2.1	2.6	22
23	11	3.2	14	4.7E	26	17	41	20 E	4.0	3.3	2.1	2.5	23
24	9.6	2.9	8.7	4.4E	24	17	37	17 E	3.8	3.3	2.0	2.4	24
25	8.2	2.9	9.4	4.2E	23	14	35	17 E	3.8	3.3	2.0	2.4	25
26	7.5	18	9.9	4.2E	32	14	41	16 E	3.4	3.3	1.9	2.6	26
27	6.7	28	8.6	4.6E	24	22	34	16 E	3.3	3.3	1.9	2.7	27
28	5.7	14	8.0	4.3E	22	47	30	16 E	4.2	3.4	2.2	2.7	28
29	5.5	9.0	7.1	4.3E	61	29	29	15 E	4.3	3.4	2.5	3.1	29
30	5.2	10	7.3	6.7E	52	30	30	15 E	3.9	3.3	2.8	3.0	30
31	5.0		7.4	522 E		66		15 E		3.3	3.1		31
MEAN	45.4	6.6	22.6	21.9	59.3	21.1	74.4	25.0	7.1	3.5	2.5	2.6	MEAN
MAX.	508 E	28.0	89.0E	522 E	587 E	66.0	353 E	45.0	15.0E	3.8	3.7	3.1	MAX.
MIN.	0.1	2.9	7.1	3.3E	18.0	11.0	29.0	15.0E	3.3	3.2	1.8	2.0	MIN.
AC.FT.	2789	390	1391	1347	3293	1297	4429	1539	422	216	154	153	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 17420
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	
24.1	5.37	2	1	0210	0.0	8	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 15 47	120 53 31	NW36 40N 9E				NOV 57-DATE	NOV 57-DATE	1957		4365.27	USCGS

Station located at U. S. Highway 299 bridge, 5.4 mi. NE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

TABLE 14
DAILY MEAN DISCHARGE
ASH CREEK AT ADIN

STATION NO.	WATER YEAR
A18350	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17 *	39	108	46	1440 E	91	302	212	67	18	21	15	1
2	17	35	299 E	45 *	695 E	85	184	213	54	17	21	13	2
3	21	34	504 E	47	760 E	82	157 *	244	49	14	20	13	3
4	23 *	34	173	47	373	71	145	223	47	14	21	8.5	4
5	18	33	146	45	260	73	195	208	52	15	21	7.3	5
6	17	32	127	48	216	73	1410 E	197	48	15	19	6.8	6
7	19	32	112	49	184	67	1750 E	193	38	16	19	7.5	7
8	23	31	98	48	164	64	1040 E	202	31	17	19	6.8	8
9	29	34 *	89	47	148	60	691 E	353	28	14	22	6.3	9
10	73	50	81	46	133	53	546	246	27	13	22	6.9	10
11	215 E	40	76	30	116	52	473	306	32	13	25	8.2	11
12	1120 E	34	70	21	105	48	339	252 *	27 *	14	25	9.7*	12
13	1530 E	33	69	32	119	45	270	218 *	25	13	22 *	12	13
14	1350 E	34	66	40	101	49	302	219	25	14	21	18	14
15	748 E	33	81	36	90	55	321	203	19	14	22	18	15
16	450	33	147	35	95	60	292	183	21	14	21	18	16
17	254	33	150	35	132	60	283	171	24	13	22	18	17
18	171	33	138	33	113	63	256	159	14	19	21	21	18
19	140	31	102	28	102	87	282	150	8.9	25	21	26	19
20	118	30	91	29	257	116	439 E	142	13	20	21	37	20
21	102	28	86	36	177	104	376	135	14	18	21	32	21
22	91	30	79	37	129	79	360	143	23	19	22	34	22
23	84	31	76	36	110	70	281	145	25	20	23	35	23
24	76	31	55	35	104	67	238	126	26	20	24	28	24
25	68	33	45	34	95	60	230	98	22	20	24	23	25
26	62	81	45	33	151	56	286	87	20	25	22	20	26
27	57	216	48	32	105	75	261	74	16	23	21	19	27
28	53	95	48	32	97	260	215	56	22	21	22	19	28
29	46	63	48	33	255	235	205	57	31	15	22	20	29
30	44	63	46	37	173	173	205	79	23	18	22	20	30
31	42		47	828 #	370	370	72	72	19	19	23	20	31
MEAN	253	45.4	108	63.2	235	94.3	411	173	29.1	17.1	21.7	17.6	MEAN
MAX.	1870 E	218	504 E	828 E	1440 E	370	1750 E	353	67.0	25.0	25.0	37.0	MAX.
MIN.	17.0	28.0	45.0	21.0	90.0	45.0	145	56.0	8.9	13.0	19.0	6.3	MIN.
ACFT.	15550	2700	6645	3888	13030	5798	24460	10640	1729	1051	1333	1045	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM				TOTAL ACRE- FEET	
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
121	2880 E	14.40	10	13	1840	0.0		6	18	2100	87870

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 11 54	120 56 30	SW21 39N 9E	2880 E	14.40	10/13/62	37-9/57 # 9/57-DATE	37-9/57 # 9/57-DATE	1957		0.00	LOCAL

Station located 200 ft. above U. S. Highway 299 Bridge. Tributary to Pit River. Stage-discharge relationship at times affected by ice.

- Irrigation season only

TABLE 15
DAILY MEAN DISCHARGE
BUTTE CREEK NEAR ADIN

STATION NO.	WATER YEAR
A18250	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4*	2.3	2.8	0.7	29 E	3.3	11	16	8.2	0.7	0.0	0.2	1
2	0.4	1.9	7.9	0.6	7.0*	3.2	8.8	15	7.4	0.6	0.0	0.3	2
3	0.4	1.8	12	0.8	9.1	3.0	8.6*	17	7.0	0.7	0.0	0.3	3
4	0.5	1.8	5.6	0.6	5.4	2.5	8.4	14	6.5	0.5	0.0	0.3	4
5	0.3	1.9	4.5*	0.4	4.2	3.1	13	12	6.9	0.5	0.0	0.5	5
6	0.3	1.6	3.8	0.4	3.6	3.2	60 E	11	5.8	0.6	0.0	0.5	6
7	0.2	1.5*	3.3	0.4	3.4	2.9	70 E	11	5.0	0.6	0.0	0.4	7
8	0.3	1.5	3.1	0.3	3.2	2.6	58 E	14	4.6	0.6	0.0	0.4	8
9	0.5	2.1	2.8	0.3	3.0	2.3	53 E	25	4.1	0.0	0.1	0.3	9
10	1.0	2.3	2.4	0.2	2.9	2.2	41	17	4.3	0.3	0.4	0.4*	10
11	13 E	1.9	2.0	0.1	2.5	2.1	34	42	3.7	0.2	0.5	0.5	11
12	63 E	1.6	1.8	0.1	2.3	1.9	27	29	3.1*	0.1	0.4	0.6	12
13	164 E	1.6	1.8	0.1	2.7	1.9	23	23	2.9	0.1	0.3	0.7	13
14	85 E	1.5	1.7	0.1	2.3	2.1	22	20	2.7	0.0	0.3	0.6	14
15	31	1.4	2.1	0.1	2.2	2.4	25 *	18	2.2	0.0	0.4	0.6	15
16	17	1.3	3.8	0.2	2.5	2.6	24	15	2.1	0.0	0.3	0.5	16
17	12	1.3	3.5	0.2	3.8	2.4	24	14	1.9	0.0	0.4	0.5	17
18	9.5	1.3	3.7	0.1	3.5	2.4	23	12	1.4	0.0	0.4	0.6	18
19	8.4	1.1	2.7	0.1	3.3	6.0	23	11	1.3	0.0	0.4	0.7	19
20	7.6	1.1	2.3	0.2	7.5	8.5	38 E	10	1.0	0.0	0.4	0.7	20
21	6.7	1.1	2.2	0.2	6.0	5.8	28	9.6	1.1	0.0	0.5	0.6	21
22	5.8	1.0	1.9	0.2	4.8	5.2	24	15	1.5	0.0	0.5	0.6	22
23	4.9	1.0	1.8	0.3	4.3	5.1	22	14	1.4	0.0	0.5	0.4	23
24	4.4	0.9	1.0	0.3	4.2	4.3	20	11	1.0	0.0	0.5	0.2	24
25	4.0	1.0	0.9	0.2	3.9	4.0	21	9.4	0.7	0.0	0.3	0.2	25
26	3.5	2.1	0.9	0.1	4.8	4.0	28	8.6	0.7	0.0	0.3	0.2	26
27	3.2	4.9	1.0	0.2	3.7	4.5	24	7.2	0.5	0.0	0.3	0.2	27
28	2.7	2.0	1.1	0.2	3.6	16	20	8.1	1.3	0.0	0.3	0.0	28
29	2.5	1.5	1.1	0.2		9.2	19	7.6	1.0	0.0	0.4	0.0	29
30	2.4	1.5	1.0	0.3		7.8	18	8.9	0.6	0.0	0.5	0.0	30
31	2.4		1.1	5.9		9.9		13		0.0	0.5		31
MEAN	14.8	1.7	2.8	0.5	5.0	4.4	27.3	14.8	3.1	0.2	0.3	0.4	MEAN
MAX.	164 E	4.9	12.0	5.9	29.0E	16.0	70.0E	42.0	8.2	0.7	0.5	0.7	MAX.
MIN.	0.2	0.9	0.9	0.1	2.2	1.9	8.4	7.2	0.5	0.0	0.0	0.0	MIN.
AC.FT.	907	99	174	28	275	271	1624	909	182	11	18	24	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
6.2		343 E	7.87	10	13	1610	NR					4521

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 07 12	120 52 36	NE24 38N 9E	343 E	7.87	10/13/62	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 6.4 mi. SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

TABLE 16
DAILY MEAN DISCHARGE
WILLOW CREEK NEAR ADIN

STATION NO.	WATER YEAR
A18170	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.3*	7.3	11	13	40 E	11	16	23	16	7.3	5.3	3.4	1
2	5.5	7.3	15 E	13	19 *	11	15	22	14	7.2	5.1	3.3	2
3	5.8	7.1	24 E	13	18	11	16 *	22	13	6.9	5.1	3.2	3
4	6.0	7.2	14	13	15	9.6*	17	21	13	7.1	5.1	3.3	4
5	6.2	7.2	13 *	13	13	9.9	19	18	18	7.3	5.1	3.3	5
6	6.1	7.1*	12	13	13	11	42 E	18	14	7.3	5.1	3.1	6
7	6.2	7.1	12	13	13	10	47 E	17	12	7.0	5.1	3.1	7
8	6.2	7.2	11	13	12	9.9	38 E	19	10	7.0	5.1	3.0	8
9	7.1	7.8	11	13	12	9.9	34 E	24	10	6.8	4.9	3.0	9
10	8.9	8.5	11	13	12	9.7	32	22	11	6.8	4.9	2.9	10
11	12 E	7.6	11	12 E	11	9.9	29	25	11	6.6	5.0	2.8	11
12	70 E	7.3	11	12 E	11	9.6	27	26	10 *	6.5	5.0	2.7	12
13	330 E	7.2	11	13 E	12	9.0	25	22	8.8	6.5	4.8	2.7 E	13
14	104 E	7.6	11	13 E	12	9.8	26	23	11	6.5	4.6	2.9 E	14
15	29 E	7.4	13	13 E	11	10	26	20	8.4	6.5	4.6*	3.0 E	15
16	20	7.4	16	13 E	12	11	27	19	8.1	6.5	4.6	3.2 E	16
17	16	7.5	15	13 E	13	11	28	18	9.0	6.5	4.6	3.2 E	17
18	14	7.4	14	13 E	13	11	27	17	8.1	6.4	4.6	3.2 E	18
19	12	7.3	13	13 E	13	13	27	17	7.9	6.3	4.4	3.3 E	19
20	11	7.3	14	13 E	14	15	29 E	16	7.5	6.2	4.4	3.5 E	20
21	9.5	7.3	13	13 E	14	14	26	16	8.0	6.1	4.4	3.7 E	21
22	9.1	7.7	13	13 E	15	13	25	18	8.1	6.1	4.1	3.7 E	22
23	8.7	7.6	13	13 E	13	12	27	19	8.6	6.0	4.0	4.0 E	23
24	8.4	7.3	12	13 E	12	11	26	15	7.6	5.9	4.1	4.0 E	24
25	7.7	7.3	12	13 E	12	11	26	14	7.2	5.8	3.9	4.0 E	25
26	7.7	12	12	13 E	13	11	28	13	7.1	5.7	3.8	4.0 E	26
27	7.3	17	12	13 E	11	12	27	13	7.1	5.7	3.7	4.1 E	27
28	7.3	11	12	13 E	12	17	25	13	7.0	5.6	3.7	4.3 E	28
29	7.1	9.4	12	13 E	16	16	24	16	7.5	5.5	3.7	4.4 E	29
30	7.3	9.4	12	14 E	16	16	23	16	7.3	5.5	3.7	4.5 E	30
31	7.2		13	29 *	16	16		25 E		5.6	3.5		31
MEAN	24.8	8.1	12.9	13.5	14.0	11.7	26.8	18.9	9.9	6.4	4.5	3.4	MEAN
MAX.	330 E	17.0	24.0E	29.0E	40.0E	17.0	47.0E	26.0	18.0	7.3	5.3	4.5E	MAX.
MIN.	5.3	7.1	11.0	12.0E	11.0	9.0	15.0	13.0	7.0	5.5	3.5	2.7	MIN.
ACFT.	1524	484	791	829	776	717	1595	1164	588	394	278	204	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
12.9	826 E	6.27	10	13	1650	2.6	0.37	9	12	2400	9343

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 05 04	120 54 09	SE35 38N 9E				29-SEP 57 [‡] SEP 57-DATE	29-SEP 57 [‡] SEP 57-DATE	1957		0.00	LOCAL

Station located W of Adin-Susanville Highway, 8.2 mi. SE of Adin. Tributary to Pit River via Ash Creek. Stage-discharge relationship at times affected by ice.

[‡] - Irrigation season only.

TABLE 17
DAILY MEAN DISCHARGE
HORSE CREEK AT LITTLE VALLEY

STATION NO.	WATER YEAR
A11349	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.6*	18	22 E	15	206 #	18	36 #	61 E	32 E	11	5.5	5.8	1
2	6.1	18	22 E	14 *	222 E	15	33 E	57 E	27 E	10	5.3	5.8	2
3	8.4	18	33 #	15	138 E	17	28 E	54 E	23 E	9.2	5.4	5.8	3
4	8.5	18	41 E	14	114 E	15	27 E	51 E	22 E	8.8	5.2	5.6	4
5	8.8	18	33 E	15	105 E	15	28 E	46 E	25 E	8.5	4.9	5.6	5
6	12	19 #	27 E	14	89 E	15	57 E	38 E	25 E	8.5	4.8	5.9	6
7	13	18	24 E	15	72 E	14	182 E	36 E	25 E	8.5	4.8	5.8	7
8	12	17	20 E	15	61 E	13	182 E	43 E	22 E	7.9	5.0	6.0	8
9	13	18	19	14	54 E	13	113 E	58 E	20 E	5.6	5.0	6.6	9
10	19 E	18	17	13	50 E	12	73 E	53 E	18	6.4	4.9	5.8	10
11	35 E	17	17	12	46 E	11	59 E	62 E	18 *	6.7	4.9	6.4	11
12	569 E	16	15	12	39 E	11	50 E	68 E	18 E	7.4	5.0	6.9	12
13	2260 E	14	15 *	12	35 E	10	43 E	67 E	23 E	7.7	5.4*	7.8	13
14	3770 E	14	13	11	34 E	11	40 E	69 E	31 E	8.1	5.7	12	14
15	1390 E	13	11 E	11	31 E	12	48 E	67 E	29 E	8.1	5.8	13	15
16	642 E	13	34 E	11	35 E	14	63 E	61 E	24 E	8.1	5.8	13	16
17	185 E	13	49 E	11	42 E	17	69 E	55 E	23 E	9.2	5.8	13	17
18	74 E	13	43 E	11	45 E	19 E	73 E	51 E	22 E	8.8	5.9	14	18
19	51 E	13	34 E	11	40 E	21 E	83 E	47 E	21 E	8.5	5.8	14	19
20	40 E	12	30 E	11	40 E	23 E	91 E	39 E	21 E	8.1	6.0	13	20
21	35 E	13	26 E	10	41 E	20 E	91 E	28 E	20	7.7	5.6	13	21
22	34 E	13	23 E	10	36 E	17	96 E	24 E	18	7.7	5.8	12	22
23	31 E	13	22 E	10	33 E	15	95 E	34 E	23 E	7.1	5.1	11	23
24	30 E	13	21 E	9.6	33 E	14	94 E	33 E	24 E	5.3	5.4	9.2	24
25	28 E	13	16	9.6	30 E	12	89 E	30 E	20 E	5.3	5.6	11	25
26	28 E	15 E	15	9.2	28 E	12	79 E	26 E	16	5.6	5.6	9.9	26
27	26 E	38 E	11	9.2	26 E	14 E	82 E	24 E	14	5.6	5.4	9.2	27
28	24 E	42 E	13	9.2	21 E	54 E	76 E	24 E	13	4.8	5.3	8.3	28
29	21 E	32 E	14	8.8		61 E	68 E	23 E	12	4.8	5.3	7.9	29
30	19	24 E	14	9.3		38 E	64 E	29 E	12	5.8	5.7	5.5	30
31	18		15	98 E		32 E		36 E		5.6	5.8		31
MEAN	304	17.8	22.9	14.5	62.4	18.9	73.7	45.0	21.4	7.4	5.4	9.0	MEAN
MAX.	3770 E	42.0E	49.0E	98.0E	222 E	61.0E	182 E	69.0E	32.0E	11.0	6.0	14.0	MAX.
MIN.	5.6	12.0	11.0E	8.8	21.0E	10.0	27.0E	23.0E	12.0	4.8	4.8	5.5	MIN.
AC.FT.	18680	1059	1406	892	3463	1160	4387	2765	1271	457	332	533	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
50.3	NR				NR				36400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 53 56	121 10 23	NE15 35N 7E				OCT 59-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 300 ft. below Western Pacific Railroad bridge, 0.5 mi. NE of Little Valley. Tributary to Pit River.

TABLE 18
DAILY MEAN DISCHARGE
FALL RIVER NEAR DANA

STATION NO.	WATER YEAR
A17220	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	362	405	450	431	1210	435	650	630	502	441	422	389	1
2	366	404	490	426	1050	428	564	645	486	432	420	391	2
3	368	403	724	422	1060	424	526	681	472	428	421	389	3
4	367	403	615	419	999	421	497	697	472	423	422	386	4
5	369	408	555	413	833	417	534	702	472	427	416	384	5
6	370	408	527	410	719	416	1100 E	712	467	427	419	386	6
7	371	408	566	405	665	413	1640 E	754	468	430	420	384	7
8	369	405	493	397	625	409	1270 E	897	465	428	420	384	8
9	377	409	483	397	597	409	1020 E	876	462	427	417	384	9
0	419	415	477	393	572	406	909	793	464	434	415	384	10
11	472	412	469	374	548	402	791	739	465	434	412	384	11
12	700	417	466	368	529	403	740	698	462	437	408	384	12
13	866	416	461	365	586	401	790	666	462	432	408	386	13
14	790	414	462	370	575	400	924 E	642	459	433	403	382	14
15	620	410	500	368	537	401	1080 E	627	459	433	403	382	15
16	532	412	607	367	526	404	890 E	612	459	427	398	382	16
17	488	411	645	363	534	397	790	606	461	424	398	382	17
18	469	411	632	366	509	391	724	597	458	421	396	382	18
19	453	409	574	363	496	386	714	594	457	417	393	382	19
20	442	410	541	360	493	380	671	592	455	417	396	382	20
21	431	409	524	361	487	378	634	585	455	421	393	384	21
22	424	409	507	366	473	376	608	576	454	420	393	382	22
23	421	410	495	364	466	379	593	566	458	420	396	382	23
24	414	408	478	364	461	383	590	549	454	419	393	382	24
25	412	409	451	364	453	377	583	537	448	420	391	382	25
26	408	458	448	362	447	375	573	524	444	420	393	382	26
27	408	556	447	360	439	420	563	504	438	420	391	382	27
28	406	485	445	363	438	581	560	501	444	421	391	382	28
29	405	462	438	368	560	560	575	518	451	421	391	379	29
30	404	453	434	373	673	604	604	534	441	422	391	382	30
31	406		439	435	805			515		422	389		31
MEAN	455	422	509	383.	619	434	757	635	461	426	404	384	MEAN
MAX.	866	556	724	435	1210	805	1640 E	897	502	441	422	391	MAX.
MIN.	362	403	434	360	438	375	497	501	438	417	389	379	MIN.
AC.FT.	27990	25090	31310	23520	34370	26680	45040	39010	27400	26180	24830	22830	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
489	1770 E	9.23	4	7	1130	356	4.78	1	20	1010	354200

LOCATION				MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.&B.M.		OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
				C.F.S.	GAGE HT.	DATE			FROM	TO		
41 06 19	121 33 00	NE3C 3&N 4E		2190 E	10.25	2/25/58	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located at private bridge, 0.7 mi. SE of Dana.

TABLE 19
DAILY MEAN DISCHARGE
HAT CREEK NEAR CASSEL

STATION NO.	WATER YEAR
A16100	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	394	509	498	545	648	525	627	605	543	517	454	448	1
2	402	514	490	544	618	529	606	599	530	500	469	449	2
3	404	510	513	461	600	520	585	606	526	497 *	464	458	3
4	415	495	501	632	591	531	581	617	534	487	454	424	4
5	417	513	510	566	582	527	589	608	520 *	479	470	436	5
6	418	495	536	546	575	525	634	599	534	481	459	435	6
7	407	539	496	552	561	526	680	611	531	470	463	433	7
8	403	501	498	547 *	526	528	648	633	531	471	463	432	8
9	435	570	508	540	533	525	647	638	524	470	466	437	9
10	468 *	463	485	542	492	515	657	627 *	511	469	459	427	10
11	511	487	518	517	524	538	639	628	494	468	474	439	11
12	722 F	578	505	526	557 *	520 *	630	620	502	469	460	460	12
13	724	527	530	509	539	514	622	608	461	470	451	466	13
14	713 F	517	501	501	526	517	624	617	466	488	449	464	14
15	604	517	522	521	532	529	641	600	509	484	445	467	15
16	558	499	570	488	539	545	643	584	493	481	422	471	16
17	524	504	600	524	547	535	635	573	483	480	449	488	17
18	515	488	579	508	542	540	636	573	498	488	424	494	18
19	503	502	603	502	538	537	640	555	537	491	321	509	19
20	503	500	574	454	501	455	635	476	522	488	411	493	20
21	509	492	551	489	577	577	630	545	563	495	419 *	526	21
22	510	487	542	518	503	588	620	527	530	483	424	517	22
23	516	474	562	472	533	536	608	518	572	458	434	498	23
24	514	490	542	478	532	571	645	474	562	483	435	395	24
25	508	515	558	473	543	555	626	499	550	477	425	477	25
26	510	451	538	468	525	558 *	609	461	549	471	430	586	26
27	509	510	524	466	524	608	614	437	488	474	450	493	27
28	505	566 *	541	472	523	669	606	493	510	456	452	505	28
29	501	495	548	469	548	612	607	413	511	462	460	473	29
30	511	496	544	469	544	591	611	550	526	461	504	490	30
31	512		536	553	553	660		539		462	500		31
MEAN	505	507	533	511	548	549	626	562	520	478	447	470	MEAN
MAX.	724	578	603	632	648	669	680	638	572	517	504	586	MAX.
MIN.	394	451	485	454	492	455	581	413	461	456	321	395	MIN.
AC.FT.	31030	30160	32770	31440	30410	33730	37240	34580	30960	29420	27490	27950	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME		
521	1130	E	4.67	10	14	0620	50.0	1.47	8	19	0000	377200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 58 40	121 33 21	SE18 36N 4E	1130 E	4.67	10/14/62	OCT 58-DATE	SEP 58-DATE	1958		0.00	LOCAL

Station located 400 ft. below U. S. Highway 299W bridge, 9.1 mi. NE of Burney, 4 mi. N of Cassel. Tributary to Sacramento River.
Flow regulated by Pacific Gas and Electric Company power plants.

TABLE 20

DAILY MEAN DISCHARGE
BURNLEY CREEK NEAR BURNLEY

STATION NO.	WATER YEAR
A15150	1963

in second-feet

DAY	OCT.	NDV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	29	73	55	848	E 68	184	193	93	39	17	17	1
2	21	28	218	54	450	# 67	160	188	84	38	17	17	2
3	22	28	522	E 58	467	66	136	239	76	22	17	16	3
4	22	27	292	57	364	62	130	230	69	29	17	16	4
5	23	29	211	54	279	60	210	199	65	*	35	16	5
6	22	25	179	54	238	60	1100	E 197	*	62	30	16	6
7	24	26	146	54	205	59	1120	E 299	E	56	28	17	7
8	44	26	125	51	194	* 58	690	E 337	E	53	28	19	8
9	71	42	100	50	181	57	504	E 257	E	53	32	20	9
10	155	*	59	48	168	59	404	E 207	E	51	25	19	10
11	284	E E	32	79	46	E 144	56	347	195	49	25	18	11
12	901	E E E	32	70	42	E 151	* 52	315	178	46	27	19	12
13	688	E E E	32	63	*	E 162	52	360	167	44	26	19	13
14	550	E	30	69	40	E 142	53	618	E 174	47	26	18	14
15	264	E	28	244	42	E 120	55	548	E 156	48	26	18	15
16	158	27	*	362	38	E 148	58	406	144	49	25	17	16
17	121	26		580	E 35	E 109	58	342	136	51	25	17	17
18	97	25		450	35	E 113	60	304	135	43	25	17	18
19	83	24		290	35	E 108	60	292	133	38	25	23	19
20	66	22		235	35	E 112	63	259	134	47	24	32	20
21	57	22		196	35	E 105	68	216	132	42	22	32	21
22	48	21		173	35	E 94	68	209	124	38	22	28	22
23	46	20		159	35	E 88	80	202	123	40	22	23	23
24	42	18		120	35	E 84	81	198	117	35	29	23	24
25	38	18		95	35	E 77	77	194	*	111	32	22	25
26	37	125		90	35	E 75	73	191	105	33	22	17	26
27	38	286		83	35	E 74	179	192	100	33	21	17	27
28	36	129		79	34	E 70	292	188	96	44	21	17	28
29	30	82		75	34	E	233	185	94	46	18	16	29
30	25	60		70	150	E	178	190	96	39	18	16	30
31	29			69	592	E 288	288	95	95	17	17	17	31
MEAN	131	45.9	181	61.0	192	90.3	346	164	50.2	26.0	19.3	16.1	MEAN
MAX.	901	286	580	592	848	292	1120	337	93.0	39.0	32.0	19.0	MAX.
MIN.	17.0	18.0	63.0	34.0	100	52.0	130	94.0	32.0	17.0	16.0	12.0	MIN.
C.F.T.	8051	2733	11120	3753	10650	5554	20620	10100	2987	1597	1184	958	AC.F.T.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 ‡ - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
110	1330	11.62	1	31	1800	NR					79310

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 52 18	121 40 58	SW19 35N 3E	1330	11.62	1/31/63	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship at times affected by ice. Flow affected by upstream diversion. Drainage area is 87.7 sq. mi.

TABLE 21
DAILY MEAN DISCHARGE
INFLOW TO SHASTA LAKE

STATION NO.	WATER YEAR
A21051	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3290	5070	7420	5700	41220	7460	22760	13920	8270	5080	3660	3690	1
2	3250	4880	18360	6390	28740	7600	18840	13270	7530	4960	4460	2250	2
3	3140	3830	17970	6430	40830	6770	16360	13360	7400	4760	2740	3580	3
4	3260	3460	10720	5670	34040	6890	14160	13400	7290	5790	2520	3460	4
5	2830	4540	10130	5390	28450	6910	24170	14190	6660	6120	4240	4290	5
6	3500	4880	9350	4620	22550	6550	43670	14300	6930	3910	4280	3930	6
7	3240	4930	8670	5460	18240	6630	46190	17100	6650	2660	4050	3560	7
8	4160	4820	7830	5200	16950	7020	39980	16750	5190	4690	4120	2620	8
9	7230	4950	7310	5290	15100	6370	38040	15080	3940	5910	4240	3570	9
10	15930	4960	6850	5130	14040	4710	40470	14960	5700	5170	4370	4120	10
11	22610	4470	6830	4860	12380	6050	32500	14280	6940	5110	3230	3770	11
12	43760	5870	6450	4780	13840	6150	38890	13670	6590	5470	3720	4040	12
13	31850	4810	6870	3130	17840	6220	39160	12890	7070	3120	4100	4070	13
14	23600	4480	7410	5280	15440	6500	62020	12380	6770	2800	4070	4060	14
15	20900	4550	19940	5060	13880	6950	52050	12260	4190	4540	4220	3750	15
16	20290	4530	21840	5030	12690	8310	35360	12520	3500	4930	3980	3860	16
17	17560	4270	21540	4570	11580	4770	27540	12420	5750	4760	4060	3780	17
18	15260	3200	16850	4570	10900	6390	26670	12170	6500	4830	2180	4200	18
19	10900	4460	13380	3710	10170	6700	25550	11750	6570	5200	3440	4110	19
20	8340	4720	11170	3440	10100	6470	21710	11940	5870	2920	3700	3880	20
21	7840	4950	10530	4470	9740	6490	20100	11350	6380	2320	4080	4050	21
22	6760	4440	9650	4740	8930	7370	18350	11170	4400	4320	3930	3110	22
23	6830	4740	9100	4570	8990	9810	16950	10620	3010	4330	3780	3960	23
24	6420	4470	7940	4790	8870	8430	16420	10180	4970	4430	3110	3950	24
25	5890	4030	8020	4870	8490	8140	15800	9440	5690	3920	3290	3610	25
26	6050	15270	7600	4100	8020	8350	14840	9500	5430	4290	3370	3740	26
27	5190	9100	7340	3650	8140	24060	14170	9160	5290	2760	4040	3710	27
28	5820	7040	7010	4470	7750	32320	13480	8490	6010	2640	4000	2320	28
29	5710	5920	4890	6140		34270	13670	9450	3740	4010	4020	2830	29
30	5640	5970	4910	9000		33100	13460	8480	3080	4520	3730	3930	30
31	4890		5650	44310		28450		8530		4460	3770		31
MEAN	10708	5254	10307	6285	16354	10716	27444	12225	5777	4346	3758	3660	MEAN
MAX.	43760	15270	21840	44310	41220	34270	62020	17100	8270	6120	4460	4290	MAX.
MIN.	2830	3200	4890	3130	7750	4710	13460	8480	3010	2320	2180	2250	MIN.
AC.FT.	658870	312610	633780	386420	908250	658930	1631940	751700	343760	267230	231070	217790	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
9673									7002350

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 43 10	122 25 10	NW15 33N 5W				NOV 42-DATE	NOV 42-DATE	1942		0.00	USCGS

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (9.5 mi. N of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 sq. mi.

Shasta Lake has a usable capacity of 4,377,000 ac.-ft. between elevations 737.75 and 1,065.0 ft. above mean sea level. Not available for release, 115,700 ac.-ft.

TABLE 22

DAILY MEAN DISCHARGE
LITTLE COW CREEK NEAR INGOT

STATION NO.	WATER YEAR
A48400	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.2	26	65	87	1780 E	100	496	240	82	29	14	11	1
2	6.8	25	1970 E	85	719	95	335	231	73	29	13	10	2
3	10	25	867	85	635	93	269	305	70	28	13	9.2	3
4	8.9	25	315	78	439	92	232	274	69	28	13	10	4
5	8.0	26	208	75	335	87	1520 E	255	65	28	12	9.2	5
6	7.6	25	158	70	272	87	3300 E	240	64	27	12	9.2	6
7	7.6	24	127	68	229	84	4020 E	653	60	29	11	9.6	7
8	10	24	110	65	213	82	1530	541	57	27	12	9.6	8
9	96	30	100	61	186	79	1180	436	54	25	13	9.6	9
10	315	34	90	57	196	76	1020	348	52	23	13	9.6	10
11	2020 E	28	84	50	172	72	756	319	50	23	13	9.2	11
12	2540	28	76	61	213	69	595	270	48	22	12	9.2	12
13	867	27	72	52	413	66	640	240	47	22	11	9.2	13
14	1080	26	78	52	309	75	1770	219	43	21	11	9.6	14
15	249	24	1270	51	238	75	1110	202	43	20	11	9.6	15
16	148	25	926	50	227	92	720	190	42	18	10	10	16
17	105	24	2110	50	240	98	550	185	43	18	10	10	17
18	84	24	778	48	186	102	566	180	38	18	11	11	18
19	66	23	459	44	167	105	1160	172	36	18	10	11	19
20	57	24	322	45	172	102	565	170	34	18	9.6	11	20
21	51	24	252	45	152	88	428	162	35	16	10	10	21
22	45	24	206	44	137	84	404	154	36	17	11	10	22
23	41	22	179	43	129	222	322	148	38	16	12	11	23
24	37	22	152	43	123	213	291	138	34	16	14	11	24
25	35	23	135	42	118	123	284	128	32	15	14	10	25
26	33	715	123	40	114	109	280	120	30	13	12	10	26
27	32	310	116	39	107	876	280	113	30	13	11	10	27
28	31	127	109	40	103	871	240	102	36	13	12	10	28
29	29	87	103	44	44	359	234	99	35	14	11	10	29
30	28	73	100	828	386	386	237	94	30	14	11	9.6	30
31	26		95	2700 E		1170		88		13	11		31
MEAN	261	64.8	379	166	297	201	844	226	46.9	20.4	11.7	9.9	MEAN
MAX.	2540	715	2110	2700 E	1780 E	1170	4020 E	653	82.0	29.0	14.0	11.0	MAX.
MIN.	6.8	22.0	65.0	39.0	103	66.0	232	88.0	30.0	13.0	9.6	9.2	MIN.
ACFT.	16030	3856	23320	10200	16510	12360	50250	13920	2789	1252	721	592	ACFT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ± - E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
210	9090 E	17.00	4	7	0400	NR					151800

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO DN GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 44 44	122 03 37	NW2 33N 2W	9090 E	17.00	4/7/63	MAR 57-DATE	MAR 57-DATE	1957		0.00	LOCAL

Station located 1.8 mi. NE of Ingot, 7 mi. SW of Round Mountain. Tributary to Sacramento River via Cow Creek. Drainage area is 60.4 sq. mi.

TABLE 23
DAILY MEAN DISCHARGE
SALT CREEK NEAR BELLA VISTA

STATION NO.	WATER YEAR
A48375	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.6	5.6	4.0	283	5.6	84	5.2	1.1	0.0	0.0	0.0	1
2	0.0	0.6	211 E	3.7	131	5.3	50	4.7	0.8	0.0	0.0	0.0	2
3	0.0	0.5	131	3.8	106	4.7	36	4.8	0.5	0.0*	0.0	0.0	3
4	0.0	0.5	44	3.2	70	4.2	25	4.5	0.5	0.0	0.0	0.0*	4
5	0.0	0.5	23	2.7	47	3.7	652 E	4.1	0.5	0.0	0.0	0.0	5
6	0.0	0.5	15	2.6	34	3.8	370 E	3.5	0.4	0.0	0.0	0.0	6
7	0.0	0.5	11	2.5	26	3.9	196	9.3	0.3	0.0	0.0*	0.0	7
8	0.0	0.5	8.0	2.4	22	3.8	114	6.5	0.3	0.0	0.0	0.0	8
9	2.5	0.6	6.3	2.2	18	3.7	101	5.5	0.2	0.0	0.0	0.0	9
10	27 *	0.8	5.4	1.9	18	3.1	136	7.7	0.2	0.0	0.0	0.0	10
11	284 E	0.6	4.5	1.6	14	2.8	91	6.7	0.2	0.0	0.0	0.0	11
12	304	0.5	4.0	1.4	26	2.5	56	4.9	0.2	0.0	0.0	0.0	12
13	156	0.5	4.1	1.5	42	2.6	45	4.6	0.2	0.0	0.0	0.0	13
14	79	0.5	4.2	1.5	39	3.5	182	4.2	0.2	0.0	0.0	0.0	14
15	23	0.5	232	1.6	31	3.4	119	3.8	0.2	0.0	0.0	0.0	15
16	10	0.5	227	1.6	32	13	67	3.4	0.2	0.0	0.0	0.0	16
17	5.4	0.4	298	1.5	32	8.3	41	2.9	0.2	0.0	0.0	0.0	17
18	3.7	0.4	109	1.5	25	5.7	47	2.7	0.2	0.0	0.0	0.0	18
19	2.6	0.4	54	1.3	21	4.3	238	2.5	0.2	0.0	0.0	0.0	19
20	2.1	0.4	33	1.2	19	4.0	87	2.3	0.2	0.0	0.0	0.0	20
21	1.7	0.4	23	1.2	15	3.7	49	2.5	0.2	0.0	0.0	0.0	21
22	1.6	0.4	17	1.4*	13	3.7	38	2.7*	0.1	0.0	0.0	0.0	22
23	1.3	0.4	14	1.3	11	18	20	2.2	0.1	0.0	0.0	0.0	23
24	1.1	0.4	10	1.2	9.3	15	16	1.8	0.1	0.0	0.0	0.0	24
25	0.9	0.5	8.2	1.3	8.4	11	14	1.7	0.1	0.0	0.0	0.0	25
26	0.9	121	7.0	1.3	7.2	9.0*	11	1.5	0.0	0.0	0.0	0.0	26
27	0.9	46	6.6*	1.2	6.2	90	9.0	1.4	0.0	0.0	0.0	0.0	27
28	0.8	16 *	5.8	1.2	5.8	153	7.6	1.1	0.0	0.0	0.0	0.0	28
29	0.8	8.5	5.2	4.2	4.2	77	6.4	1.2	0.0	0.0	0.0	0.0	29
30	0.8	6.0	4.8	112	159	5.5	1.5	0.0	0.0	0.0	0.0	0.0	30
31	0.7		4.5	579 E	168		1.7		0.0	0.0	0.0		31
MEAN	29.4	7.0	49.6	24.2	39.7	25.8	97.1	3.6	0.2	0.0	0.0	0.0	MEAN
MAX.	304	121	298	579 E	283	168	652 E	9.3	1.1	0.0	0.0	0.0	MAX.
MIN.	0.0	0.4	4.0	1.2	5.8	2.5	5.5	1.1	0.0	0.0	0.0	0.0	MIN.
AC.FT.	1807	416	3047	1486	2205	1585	5779	224	15				AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
22.9	3270	E	6.66	4	5	1930	0.0		10	1	0000	16560

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 39 40	122 11 41	NW3 32N 3W	3270 E	6.66	4/5/63	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 299 bridge, 2.8 mi. NE of Bella Vista. Tributary to Sacramento River via Little Cow Creek and Cow Creek.

TABLE 24
DAILY MEAN DISCHARGE
DEAR CREEK NEAR MILLVILLE

STATION NO.	WATER YEAR
A40150	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11	24	48	73	826 E	71	191	164	55	26	12	12	1
2	10	23	190	70	505	70	154	154	51	23	11	12	2
3	12	23	544	70	418	67	135	155	47	22	11	10	3
4	11	22	188	67	315	63	125	146	45	23	12	9.2	4
5	11	22	128	62	251	63	289	134	44	26	11	10	5
6	11	21	106	59	213	63	854	126	43	25	11	10	6
7	12	21	91	57	187	62	943	243	42	23	10	9.4	7
8	13	21	80	55	186	61	610	185	41	21	10	9.2	8
9	16	23	73	55	166	63	506	213	40	20	12	9.2	9
10	41	30	68	53	173	59	592	188	39	21	13	9.2*	10
11	156	24	65	50	172	56	462	205	38	21	12	9.2	11
12	999 E	24	61	45	175	55	380	175	37	20	12	9.4	12
13	423	24	57	52	244	53	432	155	35	15	10	10	13
14	252	21	59	51	167	55	941 E	142	35	13	10	11	14
15	104	22	259	46	143	60	622	129	33	13	9.9	11	15
16	68	21	320	45	134	70	462	118	32	12	9.6*	12	16
17	54	22	1320 E	44	162	75	375	108	36	13	9.7	12	17
18	47	22	472	44	131	73	346	102	30	13	9.7	13	18
19	41	22	279	42	116	71	522	97	30	12	10	13	19
20	37	21	209 *	41	119	73	340	92	29	12	11	13	20
21	34	23	169	41	109 *	73	301	91	28	13	12	13	21
22	32	24	147	41	100	67	462	83	27	14	12	14	22
23	31	25	130	40	93	103	315	78	28	14	9.8	14	23
24	29	24	114	40	87	90	275	76	27	12	11	13	24
25	29	24	103	40	83	71	261	71	25	12	11	13	25
26	29	160	94	38	80	65	255	65	23	12	12	13	26
27	28	194	89	37	77	337	223	62	21	11	11	13	27
28	26	75	85	37	73	526	200	60	28	11	10	13	28
29	24	57	82	42	240	240	186	60	27	10	10	13	29
30	25	51	79	524	183	183	173 *	62	27	12	12	13	30
31	24		77	1190 E		206		59		12	12		31
MEAN	85.2	37.0	187	102	197	105	398	123	34.8	16.4	11.0	11.5	MEAN
MAX.	999 E	194	1320 E	1190 E	826 E	526	943	243	55.0	26.0	13.0	14.0	MAX.
MIN.	10.0	21.0	48.0	37.0	73.0	53.0	125	59.0	21.0	10.0	9.6	9.2	MIN.
AC.FT.	5236	2202	11460	6250	10920	6434	23670	7533	2069	1006	674	686	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
108	2010	8.5	9.23	10	12	1900	8.5	3.37	9	4	2030	78150

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
-0 31 48	122 06 34	NE20 31N 2W	3140 E	10.44	12/1/61	OCT 59-DATE	AUG 59-DATE	1959		0.00	LOCAL

Station located below State Highway 44 bridge, 3.7 mi. E of Millville. Tributary to Sacramento River.

TABLE 25
DAILY MEAN DISCHARGE
NORTH FORK COTTONWOOD CREEK NEAR IGO

STATION NO.	WATER YEAR
A03545	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20	31	55	67	716	118	490	446	115	41	26	17	1
2	13	31 *	241	67	457	117	398	433	111	39	25	17	2
3	9.6	31	205	67	486	117	396	357	108	41 *	25	16	3
4	9.0	31	109	65	251	115	351	286	112	40	24	16	4
5	8.3	31	90	62	193	111	679	272	112	40	25	16	5
6	9.0	26	81 *	59	171	113	935	253	113 *	39	25	17	6
7	9.2	26	76	58	158	116	797	297 *	112	38	25	18	7
8	12 *	26	73	56	158	118	844	334	88	38	25	17	8
9	31	27	69	56	241	120	844	285	85	37	25	17	9
10	179	28	67 *	56	839	116	957	351	76	38	24	17	10
11	185	28	65	58	464	110	739	323	61	37	23	17	11
12	462	30	63	58	705	113	691	277	59	40	23	17	12
13	296	30	67	58	827	117	963	248	55	38	22	19	13
14	182	28	68	56	489	117 *	1580	232	54	38	19	18	14
15	163	29	305	54	361 *	112	1320	216	55	36	18	18	15
16	133	28	335	51	345	144	1100	203	66	34	18	17	16
17	123	28	305	51	277	129	958	194	63	34	17	17	17
18	114	28	175	53	221	123	1000	185	58	33	17	17	18
19	111	37	134	49	190	120	1010	178	58	33	17	17	19
20	109	37	116	49	183	118	856	174	56	32	17	18	20
21	103	37	105	48	172	114	759	178	48	32	17	17	21
22	98	37	94	47	157	122	699	168	49	31	16 *	17	22
23	46	37	89	46	150	230	608	160	48	32	16	17	23
24	34	39	83	46	143	156	557	153	46	32	18	17	24
25	34	39	80	46	136	142	705	142	46	30 *	17	16	25
26	32	305	79	46	130	139	608	136	44	28	16	16	26
27	32	126	78	45	126	889	518	128	43	28	16	16	27
28	32	76	76	43	121	783	489	123	44	28	17	12	28
29	31	61	71	49	708	461	123	43	28	28	17	11	29
30	31	56	69	213	723	458	121	42	26	17	17	9.9	30
31	31	69	69	2240	619	120	120	120	26	17	17		31
MEAN	86.5	46.8	116	130	317	225	759	229	69.0	34.4	20.1	16.4	MEAN
MAX.	462	305	335	2240	839	889	1580	446	115	41.0	26.0	19.0	MAX.
MIN.	8.3	26.0	55.0	43.0	121	110	351	120	42.0	26.0	16.0	9.9	MIN.
AC.FT.	5320	2785	7125	7972	17590	13860	45160	14080	4106	2116	1238	976	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
169	7810	35.92	1	31	1350	8.3	30.06	10	5	0000	122300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 26 32	122 32 57	NW21 30N 6W	9130	36.38	1/31/61	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. S of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 88.7 sq. mi.

TABLE 26

DAILY MEAN DISCHARGE

DRY FORK SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD
in second-feet

STATION NO.	WATER YEAR
A03565	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.9	14	16	2020 E	24	196	78	16	0.5E	0.0	0.0	1
2	0.0	2.2	107 E	14	456 E	23	173	72	15	0.5E	0.0	0.0	2
3	0.0	2.3	303 E	14	422 E	21	153	67	12	0.5E	0.0	0.0	3
4	0.0	2.2	102	13	227	20	145	67	13	0.4E	0.0	0.0	4
5	0.0	2.0*	62	11	147	21	167	64	12	0.4E	0.0	0.0	5
6	0.0	1.7	43	11	96	22	443	59 *	11 *	0.4E	0.0	0.0	6
7	0.0	1.6	31 *	11	67	22	369	59	10	0.3E	0.0	0.0	7
8	0.0	1.7	25	11	57	22	399 E	53	8.7	0.3E	0.0	0.0	8
9	0.0	1.9	21	9.8	1400 E	28	364 E	73	7.6	0.3E	0.0	0.0	9
10	0.0	1.9	18	9.4	2580 E	22	468 E	82	5.9	0.2E	0.0	0.0	10
11	0.0	1.9	16	9.2	515 E	20	255	86	6.8	0.2E	0.0	0.0	11
12	452 E	2.2	14	6.8	685 E	20	203	58	5.7	0.2E	0.0	0.0	12
13	363 E	2.3	18	4.8	663 E	22	288 E	51	5.1	0.1E	0.0	0.0	13
14	78	2.1	18	9.8	332 *	23 *	1880 E	56	4.0	0.1E	0.0	0.0	14
15	44	1.7	137	7.5	210	23	770 E	45	3.7	0.0E	0.0	0.0	15
16	24	1.6	225	7.8	173	40	495 E	40	3.3	0.0	0.0	0.0	16
17	16	1.7	196	7.7	164	40	366	38	3.0	0.0	0.0	0.0	17
18	12	1.7	125	6.9	103	23	299	36	2.5	0.0	0.0	0.0	18
19	8.5	1.8	80	6.9	79	21	352	33	1.6	0.0	0.0	0.0	19
20	6.7	1.8	60	4.3	68	20	241	30	1.3	0.0	0.0	0.0	20
21	5.4	1.9	47	5.4	57	19	191	31	0.7	0.0	0.0	0.0	21
22	4.9	2.2	38	6.3	47	18	185	33	0.7	0.0	0.0	0.0	22
23	3.7	2.1	33	5.4	41	46	158	29	1.5	0.0	0.0	0.0	23
24	3.3	2.2	28	5.1	35	28	149	29	1.3	0.0	0.0	0.0	24
25	3.3	2.5	24	4.5	32	19	142	28	0.7	0.0	0.0	0.0	25
26	3.1	141 E	22	4.3	29	15	189	28	0.5	0.0	0.0	0.0	26
27	2.8	115	22	4.9	26	2280 E	153	24	0.4	0.0	0.0	0.0	27
28	2.5	37	20	3.9	26	1090 E	144	22	0.6	0.0	0.0	0.0	28
29	2.3	21	17	6.7		417 E	132	22	0.6	0.0	0.0	0.0	29
30	2.6	16	17	6.9 E		277	101 *	22	0.5	0.0	0.0	0.0	30
31	2.3		17	4820 E		219		21		0.0	0.0	0.0	31
MEAN	33.6	12.6	61.3	165	384	158	319	46.3	5.2	0.1	0.0	0.0	MEAN
MAX.	452 E	141 E	303 E	4820 E	2580 E	2280 E	1880 E	86.0	16.0	0.5E	0.0	0.0	MAX.
MIN.	0.0	1.6	14.0	3.9	26.0	15.0	101	21.0	0.4	0.0E	0.0	0.0	MIN.
AC.FT.	2064	752	3769	10170	21340	9729	18980	2848	309	9			AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 69970
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
96.6	11600 E	10.20	1	31	1610		0.0		10	1	0000

LOCATION			MAXIMUM DISCHARGE				PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM		
			C.F.S.	GAGE HT.	DATE			FROM	TO				
40 19 00	122 27 37	SW32 29N 5W	14100 E	10.19	4/5/58	MAR 58-DATE	MAR 58-DATE	1958		0.00	LOCAL		

Station located at highway bridge, 10.7 mi. SW of Cottonwood. Tributary to Sacramento River via So. Fork Cottonwood and Cottonwood Creek. Drainage area is 151 sq. mi.

TABLE 27

DAILY MEAN DISCHARGE

SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

in second-feet

STATION NO.	WATER YEAR
A03595	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	30	99	59	4130 E	166	408	336	147	40	3.8E	0.0	1
2	0.0	29	209 E	59	1980 E	151	339	335	128	37	3.1E	0.0	2
3	0.0	28	1320 E	58	1450	147	307	338	122	36 *	2.9E	0.0	3
4	0.0	28	600	57	1100	135	292	330	121	35 E	2.9E	0.0	4
5	0.0	26 *	380	57	924	125	345	332	121	34 E	2.9E	0.0	5
6	0.0	23	269	55	739	123	1080	376	120 *	34 E	2.3E	0.0	6
7	0.0	22	188 *	54	632	118	1020	366	111	35 E	1.8E	0.0	7
8	0.0	21	134	55	565	116	828	365	105	34 E	1.4E	0.0	8
9	0.0	20	101	56	846 E	113	655	348	103	31 E	0.9E	0.0	9
10	0.0	20	78	55 *	1980 E	103	564	321	97	28 E	0.5E	0.0	10
11	0.0	20	66	53	1060	95	469	302	97	25 E	0.3E	0.0	11
12	994 E	20	56	48	837	88	445	274	94	23 E	0.1E	0.0	12
13	1500 E	22	71	36	932	86	599	252	94	22 E	0.0	0.0	13
14	601	21	114	43	728 *	83 *	1550 E	237	89	20 E	0.0	0.0	14
15	418	20	311	53	620	86	1190	226	85	19 E	0.0	0.0	15
16	286	18	565	50	550	110	846	231	85	18 E	0.0	0.0	16
17	218	18	438	46	523	100	648	254	84	17 E	0.0	0.0	17
18	163	16	357 *	43	447	90	530	289	83	16 E	0.0	0.0	18
19	125	14	273	42	403	84	470	308	79	15 E	0.0	0.0	19
20	101	14	214	38	369	86	403	327	73	14 E	0.0	0.0	20
21	83	13	164	39	342	88	366	337 *	69	15 E	0.0	0.0	21
22	66 *	12	129	40	310	93	336	343	66	14 E	0.0	0.0	22
23	59	12	105	37	288	145	305	323	68	13 E	0.0	0.0	23
24	54	11	92	36	258	108	288	302	64	12 E	0.0	0.0	24
25	49	10	80	35 *	233	97	296	293	59	11 #	0.0	0.0	25
26	45	114	72	35	216	93	297	270	52	10 E	0.0	0.0	26
27	41	519	67	32	194	890 E	277	243	50	9.0E	0.0	0.0	27
28	40	262	65	32	179	1080	281	219	47	7.4E	0.0	0.0	28
29	37	175	62	32	580	305	212	212	46	6.5E	0.0	0.0	29
30	34	123	59	59	464	328	199	199	44	5.6E	0.0	0.0	30
31	32		58	2630 E	456	171	171	171		4.8E	0.0	0.0	31
MEAN	160	56.0	219	130	816	203	536	292	86.8	20.7	0.7	0.0	MEAN
MAX.	1500 E	519	1320 E	2630 E	4130 E	1080	1550 E	376	147	40.0	3.8E	0.0	MAX.
MIN.	0.0	10.0	56.0	32.0	179	83.0	277	171	44.0	4.8E	0.0	0.0	MIN.
AC.FT.	9810	3334	13480	7981	45290	12490	31870	17970	5163	1272	45	0.0	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 148700
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
205	6230 E	7.84	1	31	2110	0.0		10	1	0000	

LOCATION					MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.			OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
					C.F.S.	GAGE HT.	DATE			FROM	TO		
40 18 52	122 26 54	NE5	28N	5W	12700 E	8.27	2/8/60	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located 70ft. above highway bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 218 sq. mi.

TABLE 28
DAILY MEAN DISCHARGE
SOUTH FORK BATTLE CREEK NEAR MINERAL

STATION NO.	WATER YEAR
A47300	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.9E	17	47	47 E	455	42	63	205	137	33	11	11	1
2	7.2E	16	309	44 E	327	42	55	223	121	31	11	11	2
3	7.6E	16	335	42 E	423	41	52	270	107	30	10	10	3
4	7.9#	17	147	40 E	315	39	65	227	97	30	10	9.9	4
5	7.7	17	96	38 #	257 *	40	232 *	233	93	29	8.9*	11	5
6	8.4	17	76 *	37	205	40	577	227	85	28	11	11	6
7	12	17	63	34	171	40 *	479	301	78	28	12	10	7
8	10	18	56	33	181	40	284	284	73	27	12	9.9	8
9	11	34	50	30	152	41	216	233	74	27	14	9.6	9
10	128	32 E	45	28	146	35	168	209	85	25	14	9.6	10
11	396 E	30 E	41	NR	122	33	157	197	68 *	20	13	9.9	11
12	983 E	28 E	37	NR	127	31	176	180	64	21	12	11	12
13	448	26 #	39	NR	148	30	272	175	69	20	12	12	13
14	272	24	61	NR	110	31	484	169	79	19	11	10	14
15	123	23	376	NR	96	34	289	171	63	18	11	11	15
16	71	23	381	NR	90	27	232	193	69	18	11	13	16
17	48	22	593	NR	91	39	186	218	65	18	12	14	17
18	39	21	315	NR	81	38	155	231	58	18	11	14	18
19	35	20	212	NR	76	43	145	245	52	17	11	14	19
20	32	19	163	NR	90	48	130	264	48	16	11	13	20
21	28	19	131	NR	73	48	116	262	45	16	11	15	21
22	25	18	111	NR	65	46	119	241	48	15	10	20	22
23	23	18	95	NR	60	46	129	230	52	14	10	18	23
24	21	17	76	NR	57	46	135	223	50	13	11	13	24
25	20	17	91	NR	54	46	129	211	45	14	11	12	25
26	19	281	126	NR	52	46	125	191	42	14	10	12	26
27	19	190	130	NR	47	118	164	178	39	13	10	11	27
28	18	72	129	NR	45	119	171	173	42	13	10	11	28
29	17	48	126	NR	90	90	177	165	38	12	11	10	29
30	17	45	91	NR	90	90	198	148	37	12	11	11	30
31	17	51	51	411 E	78	78	159	159	12	12	11	11	31
MEAN	92.8	38.7	148	NR	147	49.3	194	214	67.4	20.0	11.1	11.9	MEAN
MAX.	983 E	281	593	NR	455	119	577	301	137	33.0	14.0	20.0	MAX.
MIN.	6.9E	16.0	37.0	NR	45.0	27.0	52.0	148	37.0	12.0	8.9	9.6	MIN.
AC.FT.	5708	2305	9122	NR	8164	3029	11560	13160	4013	1232	684	710	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
NR	NR						NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 21 10	121 39 50	NW28 29N 3E				OCT 59-DATE	SEP 59-DATE	1959		0.00	LOCAL

Station located at old State Highway 36 bridge, .7 mi. W of Mineral. Tributary to Sacramento River via Battle Creek. Stage-discharge relationship at times affected by ice. Drainage area is 33.0 sq. mi. Recorder installed Sept. 4, 1959.

TABLE 29
DAILY MEAN DISCHARGE
RED BANK CREEK NEAR RED BLUFF

STATION NO.	WATER YEAR
A03460	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	3.4	5.9	648	15	93	32	5.9	0.0	0.0	0.0	1
2	0.0	0.0	5.3	5.4	290	14	79	29	4.9	0.0	0.0	0.0	2
3	0.0	0.0	4.2	5.4	228	12	72	27	4.4	0.0*	0.0	0.0	3
4	0.0	0.0	15	4.4	197	13	62	25	4.4	0.0	0.0	0.0	4
5	0.0	0.0	8.6	4.0	167	13	112	23	4.9	0.0	0.0*	0.0	5
6	0.0	0.0	6.4	3.0E	145	13	339	21 *	4.9*	0.0	0.0	0.0*	6
7	0.0	0.0	3.6*	2.0E	126	12	160	21	3.6	0.0	0.0	0.0	7
8	0.0	0.0	4.7	2.0E	127	11	88	24	2.9	0.0	0.0	0.0	8
9	0.0	0.0	3.8	2.0E	693	12	90	37	2.3	0.0	0.0	0.0	9
10	0.0	0.0	3.6	2.0E	953	11	95	33	2.0	0.0	0.0	0.0	10
11	0.0	0.0	3.4	2.0#	229	12	63 *	37	1.8	0.0	0.0	0.0	11
12	222	0.0	2.9	2.0E	414	9.9	59	29	1.5	0.0	0.0	0.0	12
13	72	0.0	3.8	2.0E	321	9.9	142	23	1.1	0.0	0.0	0.0	13
14	5.8	0.0	4.3	2.0E	151 *	10 *	1440	20	0.9	0.0	0.0	0.0	14
15	2.4	0.0	30	1.0E	108	11	329	16	0.8	0.0	0.0	0.0	15
16	1.0	0.0	51	1.0E	112	31	210	13	0.4	0.0	0.0	0.0	16
17	0.2	0.0	85	1.0E	130	22	156	12	0.3	0.0	0.0	0.0	17
18	0.0	0.0	55 *	1.0E	84	11	130	9.7	0.1	0.0	0.0	0.0	18
19	0.0	0.0	25	1.0E	67	8.8	126	9.2	0.1*	0.0	0.0	0.0	19
20	0.0	0.0	16	1.0E	57	8.1	95	9.5	0.0	0.0	0.0	0.0	20
21	0.0	0.0	12	1.0E	47	7.8	84	9.7	0.0	0.0	0.0	0.0	21
22	0.0	0.0	10	1.0E	36	7.9	78	12	0.0	0.0	0.0	0.0	22
23	0.0	0.0	9.4	1.0E	31	86	72	11	0.0	0.0	0.0	0.0	23
24	0.0	0.0	8.1	1.0E	26	27	65	10 *	0.0	0.0	0.0	0.0	24
25	0.0	0.0	6.4	1.0E	23	14	62	10	0.0	0.0	0.0	0.0	25
26	0.0	5.0	4.9	1.0E	19	10	59	10	0.0	0.0	0.0	0.0	26
27	0.0	9.4	5.4	1.0E	18	2150	51	8.1	0.0	0.0	0.0	0.0	27
28	0.0	4.9	5.4	1.0E	16	661	47	6.9	0.0	0.0	0.0	0.0	28
29	0.0	4.2	5.4	1.0E		240	41	7.5	0.0	0.0	0.0	0.0	29
30	0.0	3.8	5.9	318		144	37	6.9	0.0	0.0	0.0	0.0	30
31	0.0		5.9	2350 *		113		6.4		0.0	0.0	0.0	31
MEAN	9.8	0.9	14.6	88.0	195	120	151	17.7	1.6	0.0	0.0	0.0	MEAN
MAX.	222	9.4	85.0	2350	953	2150	1440	37.0	5.9	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	2.9	1.0E	16.0	7.8	37.0	6.4	0.0	0.0	0.0	0.0	MIN.
AC.FT.	602	54	896	5409	10840	7379	8997	1089	94				AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
48.8	5770	8.67	1	31	1250	0.0		10	1	0000	35360

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 05 23	122 24 45	SE22 26N 5W	5770	8.67	1/31/63	2/48- 7/49 8 4/50- 4/56 11/56-DATE	2/48- 7/49 8 4/50- 4/56 11/56-DATE	1956		0.00	LOCAL

Station located at Red Bank Road bridge, 11 mi. SW of Red Bluff.

8 - Irrigation season only

TABLE 30
DAILY MEAN DISCHARGE
NORTH FORK MILL CREEK NEAR LOS MOLINOS

STATION NO.	WATER YEAR
A04440	1963

in second-feet

OAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	OAY
1	0.0	14	7.4E	5.6	4.4	5.4	3.8	3.9	4.9	13	0.0	0.0	1
2	0.0	14	8.0E	6.8	5.5	5.3	3.5	4.1	4.5	12	0.0	0.0	2
3	0.0	12	9.0E	7.5	5.4	5.5	3.5	4.5	4.3	12	0.0	0.0	3
4	0.0	13	7.8E	8.4	5.9	5.4	3.4	4.4	3.8	10	0.0	0.0	4
5	0.0	13 *	7.4E	8.1	7.9	5.3	3.5	4.2	3.8	10	0.0*	0.0	5
6	0.0	11	7.4E	8.0	9.0	5.5	4.8	4.2*	3.6*	9.6	0.0	0.0*	6
7	0.0	8.5	7.4#	8.0	8.7	5.6	4.7	4.4	3.5	9.6	0.0	0.0	7
8	0.0*	11 E	7.8	6.6	9.7	5.6	3.9	4.4	3.4	9.6	0.0	0.0	8
9	0.0	11	7.8	9.8	8.7	5.8	3.6	3.8	3.4	9.5	0.0	0.0	9
10	1.7	12	8.6	10	8.0	5.6	3.7	4.3	2.2	9.0	0.0	0.0	10
11	15 E	13	8.7	11 *	8.0	5.5	3.5	4.1	0.7	8.5	0.0	0.0	11
12	20 E	12	9.1	11	4.9	5.6	3.2	4.1	9.3	8.5	0.0	0.0	12
13	0.7	12	7.3	11	4.3	5.4	3.3	4.0	16	8.3	0.0	0.0	13
14	0.4	8.8	7.5	11	5.8	5.2*	3.0	4.0	17	8.1	0.0	0.0	14
15	7.6	7.8	11	11	7.3	5.4	2.6	3.9	17	8.0	0.0	0.0	15
16	12	10	2.7	11	7.3	4.5	2.8	3.9	17	8.1	0.0	0.0	16
17	12	10	2.6	11	7.0	4.7	2.6	4.2	17	7.5	0.0	0.0	17
18	12	10	7.7	11	6.4	5.0	2.8	4.2	17	6.9	0.0	0.0	18
19	11	11	12	11	6.3	5.3	3.2	4.0	16	6.8	0.0	0.0	19
20	12	11	8.0	11	6.3	5.4	3.0	4.2	15	6.6	0.0	0.0	20
21	11	11	8.0	11	6.3	5.7	2.9	4.1	15	6.3	0.0	0.0	21
22	11 *	6.3	8.0	12	5.8	5.2	2.9	4.0	15	3.6	0.0	0.0	22
23	11	3.1	7.8	12	5.7	4.4	2.9	3.9	15	0.7	0.0	0.0	23
24	13 E	8.1	7.6	12 *	5.7	3.8	3.2	5.0	15	0.6	0.0	0.0	24
25	15	13	7.0	12	5.6	4.6	3.5	5.4	14	0.9	0.0	0.0	25
26	15	9.5	7.2	12	5.6	5.1	3.4	5.3	13	0.5	0.0	0.0	26
27	15	3.2	8.7	12	5.4	4.7	3.5	5.2	13	0.0	0.0	0.0	27
28	14	5.6	8.7	12	5.4	4.2	3.5	4.9	13	0.0	0.0	0.0	28
29	14	7.0	8.7	9.5		4.3	3.5	5.4	13	0.0	0.0	0.0	29
30	14	7.4E	8.4	6.3		3.9	3.8	5.5	13	0.0	0.0	0.0	30
31	14		8.1	5.3		3.9		5.1		0.0	0.0	0.0	31
MEAN	8.1	10.0	7.9	9.8	6.5	5.1	3.4	4.4	10.6	6.3	0.0	0.0	MEAN
MAX.	20.0E	14.0	12.0	12.0	9.7	5.8	4.8	5.5	17.0	13.0	0.0	0.0	MAX.
MIN.	0.0	3.1	2.6	5.3	4.3	3.8	2.6	3.8	0.7	0.0	0.0	0.0	MIN.
ACFT.	499	594	483	605	362	311	201	271	632	385			ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E end *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
6.0	64 E	3.97	10	12	0000	0.0		10	1	0000	4341

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 03 05	122 05 11	NE4 25N 2W	64 E	3.97	10/12/62	APR 59-DATE	APR 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. E of Shasta Ave. bridge, 2.1 mi. N of Los Molinos. This is regulated diversion from Mill Creek to Sacramento River.

E - Estimated.

TABLE 31
DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT VINA BRIDGE

in second-feet

STATION NO.	WATER YEAR
A02700	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6640	7470	8490	13300	90600	16000	15400	13500	10700	10400	10300	10300	1
2	6250	7360	8610	12800	46500	15900	11700	13800	10300	10600	10700	10300	2
3	6190	6840	23000	12700	34700	15800	10100	13400	10100	10700	10600	10400	3
4	6140	6680	17200	12300	29000	14300	9420	13200	9910	10700	10600	10400	4
5	5940	6530	12200	11800	24500	11500	9030	12900	9820	10700	10600	10500	5
6	5820	6580	10700	11600	21200	8880	33200	12800	9680	10700	10600	10500	6
7	5840	6530	10100	11700	20900	6620	46900	12700	9620	10700	10500	10600	7
8	5920	6460	10400	11300	20200	5900	34000	15600	9500	10600	10500	10800	8
9	6010	6400	10300	10800	21800	5820	33500	18300	9450	10700	10500	11200	9
10	6960	6550	10000	10200	35800	5670	39400	19700	9300	10600	10500	11100	10
11	11300	6680	9830	9640	31000	5480	65600	20200	9330	10500	10400	11200	11
12	45500	6600	9680	9070	25600	5340	61700	19600	9270	10600	10500	11300	12
13	62000	6520	9580	8650	35100	5200	60500	19100	9240	10600	10400	11400	13
14	34200	6480	9710	8540	28800	5220	87400	18900	9240	10600	10300	11500	14
15	17100	6480	10900	8580	25300	5250	86900	18400	9440	10600	10300	11500	15
16	11700	6440	25000	8330	22900	5750	71700	18100	9580	10600	10300	11500	16
17	9880	6420	44400	8160	24500	6270	61000	17900	9640	10600	10400	11400	17
18	8950	6410	39300	8120	22000	5930	44500	18000	9590	10500	10300	11600	18
19	8470	6430	22400	8050	20000	5540	42800	17700	9540	10500	10400	11600	19
20	8310	6480	18800	7900	17300	5350	44100	17800	9510	10500	10500	11600	20
21	8300	6460	16900	7850	15700	5230	35200	17300	9430	10500	10400	11600	21
22	8120	6500	15900	7790	15900	5250	33000	16300	9750	10500	10200	11100	22
23	8020	6430	15300	7810	17200	6080	27400	15300	9920	10500	10100	11200	23
24	7860	6390	14600	7770	16900	7530	22700	14400	9950	10400	10100	11200	24
25	7800	6360	14200	7740	16600	6700	20200	13400	9880	10400	10200	11200	25
26	7700	6780	14000	7700	16400	5940	19300	12500	9820	10300	10200	11200	26
27	7680	13900	13800	7670	16200	11200	17000	12200	9930	10300	10100	11200	27
28	7630	11000	13700	7640	16200	41200	15500	11900	10200	10300	9770	11100	28
29	7590	9340	13600	7740		22800	15200	11800	10300	10400	9840	11000	29
30	7550	8740	13500	17100		17400	14700	11700	10300	10300	10200	11000	30
31	7500		13400	56300		17100		11300	10300	10300	10200	11000	31
MEAN	11770	7141	15470	11180	26030	9940	36300	15470	9741	10530	10340	11080	MEAN
MAX.	62000	13900	44400	56300	90600	41200	87400	20200	10700	10800	10700	11600	MAX.
MIN.	5820	6360	8490	7640	15700	5200	9030	11300	9240	10300	9770	10300	MIN.
AC.FT.	723700	424900	951100	687600	1446000	611200	2160000	951500	579600	647400	635700	659500	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
14470	107000	85.18	2	1	0920	4980	66.29	3	21	0750	10480000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	APR 45-DATE	APR 45-DATE	1945	1945	100.00	USED
										97.15	USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.

TABLE 32
DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT HAMILTON CITY

STATION NO.	WATER YEAR
A02630	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6280	7480	8620	13700	84600 F	15800	15600	13000	8370	7660	7930	8460	1
2	6030	7440	8540	13300	48400 #	15600	12000	13000	7930	7970	8270	8600	2
3	5850	6940	19800	13100	31000	15500	10200	12600	7650	8020	8270	8650	3
4	5810	6850	18500	12700	26800	14600	9480	12200	7540	8080	8330	8600	4
5	5790	6620	12900	12300	22200	12100	8990	11700	7360	8100	8360	8770	5
6	5580	6640	11100	12000	19600	9650	25000	11500	7240	8050	8390	8880	6
7	5540	6580	10500	11900	18900	7490	43500	11200	7150	8050	8360	8960	7
8	5570	6560	10500	11700	18600	6440	35000	13300	7070	8110	8420	9150	8
9	5680	6540	10600	11200	19600	6260	29400	15400	6990	8070	8420	9530	9
10	6000	6550	10400	10800	32000	6130	33800	17500	6860	8030	8490	9540	10
11	9670	6620	10300	10200	30300	5940	57900 E	17900	6820	7960	8540	9460	11
12	30700 E	6550	10100	9650	24400	5740	57700 E	17400	6810	7970	8570	9640	12
13	64000 E	6530	9980	9100	32700	5610	54000 E	16900	6750	8020	8550	9840	13
14	36900 E	6530	10000	8840	28300	5570	73700 E	16500	6720	8080	8460	9950	14
15	18300	6480	10500	8830	24500	5540	87000 E	16200	6880	8070	8460	10000	15
16	12200	6450	21900	8660	22200	5750	68100 E	15600	7110	8010	8470 *	10100 *	16
17	10200	6440	36200	8390	23600	6200	59600 E	15200	7120	8030	8520	10000	17
18	9270	6400	44800 E	8320	21700	6030 *	45400	15100	7040	8000	8490	10200	18
19	8700	6380	23400	8200	20000	5810	39400	14900	6930	8040	8520	10300	19
20	8390	6370	19200	8060	17700	5590	43200	14800	6850	8020	8600	10300	20
21	8400	6390	17400	7940	16200 *	5300	36000	14700	6720	8040	8580	10400	21
22	8260	6390	16400	7910	15500	5260	31800	13600 *	6950	8060	8290	10000	22
23	8130 *	6360 *	15800	7910 *	17000	5430	28400 *	12700	7190	8010	8330	10100	23
24	7980	6370	15200	7710	16800	6780	23600	12000	7230 *	7970	8360	10200	24
25	7890	6390	14800	7610	16600	6790	20900	11100	7200	7960	8340	10100	25
26	7810	6500	14500 *	7460	16300	6120	19700	10100	7180	7920	8350	10100	26
27	7700	12400	14300	7280	16100	6920	17700	9690	7180	7920	8340	10100	27
28	7650	11700	14100	7080	15900	37000	15900	9410	7510	7970	7960	10100	28
29	7610	9690	14000	7030	15700	24600	15200	9300	7590	7980 *	7980	9970	29
30	7580	8940	13900	10700	15500	17600	14700	9310	7630	7930	8190	10000	30
31	7520		13800	43800 E	16300			8940		7870	8400		31
MEAN	11380	7136	15550	10750	24910	9857	34430	13310	7186	7999	8372	9667	MEAN
MAX.	64000 E	12400	44800 E	43800 E	84600 E	37000	87000 E	17900	8370	8110	8600	10400	MAX
MIN.	5540	6360	8540	7030	15500	5260	8990	8940	6720	7660	7930	8460	MIN.
ACFT.	700000	424600	956100	661200	1383000	606000	2049000	818700	427600	491800	514800	575200	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE- FEET
13270	93900 E	43.85	4	15	0350	5150	27.81	3	21	1950	9608000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000 E	22.6	2/28/40	APR 45-DATE	27-DATE	1927	1945	127.9	USED
								1945		100.00	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

E - Estimated.

TABLE 33
DAILY MEAN DISCHARGE
BIG CHICO CREEK AT CHICO

STATION NO.	WATER YEAR
A04250	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	9.6	11	12	951 E	66	218	146	41	24	9.2	7.3	1
2	0.5	9.2	8.7	10	308	64	188	140	44	25	9.2	7.3	2
3	0.4	9.0	186	8.7	198	68	171	113	46	24	9.8	6.4	3
4	0.4	8.1	127	8.0	163	69	155	140	43	23	14	5.6	4
5	0.5	7.6	68	6.9	129	65	146	134	47	22	8.2	4.9	5
6	0.6	7.6	41	6.3	106	64	422	125	47	22	7.7	6.4	6
7	0.8	7.4	28	5.6	85	62	663	122	44	25	6.4	7.7	7
8	1.1	7.1	22	5.0	76	59	470	122	43	18	7.3	7.7	8
9	0.9	8.0	19	4.7	79	63	368	122	41	19	8.7*	10	9
10	1.8	11	16	4.3	72	62	330	112	34	18	11	6.8	10
11	42	9.3	13	3.9	59	57	304	118	37	21	14	6.4	11
12	1200	8.3	12	3.9	64	54	270	119	37	15	9.2	6.9	12
13	1360	7.8	11	2.9	118	52	263	108	37	17	4.5	8.3	13
14	771	7.5	11	5.0	122	59	690	99	37	20	7.3	7.8	14
15	248	7.0	54	12	104	64	759	86	38	13	7.3	7.7	15
16	148	6.9	257	13	90	115	502 *	74 *	40	15	6.4	7.7	16
17	87 *	6.9	435	11	83	73	366	69	32	15	7.3	7.3*	17
18	26	7.3	357	11 *	71 *	61	298	63	35	15	9.2	7.5	18
19	23	7.2	207 *	9.8	57	58	307	73	33 *	14	3.9	10	19
20	16	6.8	145	10	50	60 *	279	67	32	14	6.8	10	20
21	12	6.9	112	10	47	69	244	64	33	17	6.8	9.5	21
22	9.2	7.9	76	11	40	75	215	61	31	12	7.3	12	22
23	7.4	11	60	12	36	141	196	59	40	13	7.3	9.9	23
24	6.0	11	45	10	31	151	180	58	30	13	9.2	9.2	24
25	9.8	12	37	11	26	131	169	55	32	12	9.2	7.3	25
26	28	26	29	10	23	123	159	57	28	14	8.2	6.3	26
27	27	115 *	25	9.8	30	252	151	48	26	9.1	5.2	6.8	27
28	22	47	18	10	66	718	140	47	28	14	4.5	6.0	28
29	17	19	17	13		404	129	49	30	8.5	6.0	5.7	29
30	12	13	15	178		304	121	46	31	9.7	6.0	4.7	30
31	11		14	1350 E		248		43		9.0	6.8		31
MEAN	132	14.3	79.9	57.4	117	126	296	88.4	36.6	16.5	7.9	7.6	MEAN
MAX.	1360	115	435	1350 E	951 E	718	759	146	47.0	25.0	14.0	12.0	MAX.
MIN.	0.4	6.8	8.7	2.9	23.0	52.0	121	43.0	26.0	8.5	3.9	4.7	MIN.
ACFT.	8113	850	4912	3528	6514	7757	17600	5433	2176	1012	484	450	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
81.2	2520	E	12.83	1	31	2110	0.1	3.49	10	2	0000	58830

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	OATE			FROM	TO		
39 43 38	121 51 43	SE28 22N 1E				JAN 56-DATE	JAN 56-DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway Bridge, immediately W of Chico. Tributary to Sacramento River. For total flow of Big Chico Creek near Mouth, combine with flow of Lindo Channel near Chico.

TABLE 34
DAILY MEAN DISCHARGE
LINDO CHANNEL NEAR CHICO

STATION NO.	WATER YEAR
A00600	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0*	57	50	1940	34	276	105	14	0.0	0.0	0.0	1
2	0.0	0.0	55	47	719	31	224	76	9.3	0.0*	0.0*	0.0	2
3	0.0	0.0	349	45	448	25	188	100	6.7	0.0	0.0	0.0	3
4	0.0*	0.0	214	42	336	21	165	75	4.7	0.0	0.0	0.0	4
5	0.0	0.0	144	39	268	20	161	69	3.7	0.0	0.0	0.0	5
6	0.0	0.0	115	36	220	18	625	65	3.4	0.0	0.0	0.0	6
7	0.0	0.0	95	34	189	17	1200	63	3.2	0.0	0.0	0.0	7
8	0.0	0.0	83	32	172	15	733	62	3.0	0.0	0.0	0.0	8
9	0.0	0.0	74	30	168	14	520	63	2.8	0.0*	0.0	0.0	9
10	0.0	0.0	68	28	159	11	453	59	2.7	0.0	0.0	0.0*	10
11	0.0	0.0	63	26	142	9.0	403	64	2.4	0.0	0.0	0.0	11
12	1860	0.0	59	24	143	NR	345	55	2.2	0.0	0.0*	0.0	12
13	2270	0.0	55	22	193	NR	334	60	1.8	0.0	0.0	0.0	13
14	1310	0.0	54	20	197	NR	1180	56	1.5	0.0	0.0	0.0	14
15	251	0.0	138	7.4	169	NR	1410	52	1.3	0.0	0.0	0.0	15
16	130	0.0	469	6.0	154	NR	796	47	0.8	0.0	0.0	0.0	16
17	92	0.0	862	5.2	148	NR	515	43	0.4	0.0	0.0	0.0*	17
18	93	0.0	696	5.0*	129	NR	395	40	0.1	0.0	0.0	0.0	18
19	70	0.0	351	4.6	117	NR	411	28	0.0*	0.0	0.0	0.0	19
20	60	0.0	231	5.0	108	NR	366	27	0.0	0.0	0.0	0.0	20
21	53	0.0	176	5.8	101	29	313	25	0.0	0.0	0.0	0.0	21
22	48	0.0	145	6.0	94	33	262	23	0.0	0.0	0.0	0.0	22
23	45	0.0	124	6.2	87	72	231	22	0.0	0.0	0.0	0.0	23
24	41	0.0	108	6.6	83	100	207	20	0.0	0.0	0.0	0.0	24
25	35	0.0	94	7.2	81	80	195	18	0.0	0.0	0.0	0.0	25
26	9.4	0.0	83	7.4	77	70	182	16	0.0	0.0	0.0	0.0	26
27	4.6	146 *	74	7.8	68	326	174	15	0.0	0.0	0.0	0.0	27
28	1.8	94	68	9.0	38	1430	156	14	0.0	0.0	0.0	0.0	28
29	0.2	73	62	15	15	604	144	14	0.0	0.0	0.0	0.0	29
30	0.0	63	57	291	291	428	135	14	0.0	0.0	0.0	0.0	30
31	0.0		54	2180 *	2180	330		15	0.0	0.0	0.0	0.0	31
MEAN	206	12.5	170	98.4	241	NR	423	45.6	2.1	0.0	0.0	0.0	MEAN
MAX.	2270	146	862	2180	1940	NR	1410	105	14.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	54.0	4.6	38.0	NR	135	14.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.	12640	746	10470	6050	13380	NR	25190	2807	127				AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E end *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
NR	3220	18.46	1	31	2030	0.0		10	1	0000	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 43 21	121 54 41	NW31 22N 1E				JAN 56-DATE	JAN 56-DATE	1956		128.42	USED

Station located 100 ft. below Grape Way bridge, 4.0 mi. W of Chico. Tributary to Sacramento River via Big Chico Creek. For total flow of Big Chico Creek near Mouth, combine with flow of Big Chico Creek at Chico.

TABLE 35
DAILY MEAN DISCHARGE
GRINDSTONE CREEK NEAR ELK CREEK

STATION NO.	WATER YEAR
A31300	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	21	47	41	2910 #	112 E	537 E	334 E	132 E	24	4.1	1.8	1
2	24	20	551	39	1370	105 E	437 E	331 E	119 E	23	4.1	1.7	2
3	23	20	807	37	959	100 E	386 E	334 E	108 E	22	3.8	1.9	3
4	24	20	255	37	731	97 E	364 E	315 E	101 E	21	3.7	1.8	4
5	24	21	152	34	584	90 E	468 E	304 E	94 E	21	3.7	1.6*	5
6	24	23	108	36	513	82 E	1520 E	316 E	88 E	22	3.4	2.0	6
7	25	21	86	33	464	76 E	1170 E	327 E	83 E	20	3.1	2.0	7
8	25	19	69	31	448	78 E	881 E	332 E	79 E	20	2.9	2.2	8
9	24	19	61	31	1270 E	78 E	627 E	297 E	76 E	19	2.8	2.0	9
10	63	27	60	31	2690 E	76 E	520 E	287 E	69 E	15	2.8	2.2	10
11	227	29	59	29	1450	74 E	449 E	278 E	65 *	14	2.8	2.0	11
12	742	26	58	24	1350	74 E	489 E	259 E	60	12	2.7*	2.2	12
13	314	26	65	26	836 E	74 E	636 E	253 E	56	11	2.6	2.2	13
14	161	26	67	31	440 E	76 E	1830 E	239 E	52	13	2.6	2.0	14
15	86	25	136	27	337 E	76 E	1530 E	239 E	48	16	2.2	2.0	15
16	55	25	161	27	289 E	75 E	984 E	241 E	47	16	2.3	1.8	16
17	45	27	196	24	242 E	74 E	810 E	255 E	50	16	2.0	1.8	17
18	41	27	181	22 *	206 E	74 E	690 E	260 E	44	14	1.9	1.8	18
19	37 *	27	133	19	179 E	76 E	637 E	251 E	42 *	14	1.7*	1.8	19
20	35	25	108 *	19	167 E	73 E	575 E	273 E	38	13	1.6	1.8	20
21	33	24	83	21	159 E	80 E	512 E	272 E	35	12	1.5	1.8	21
22	32	24	76	22	139 E	89 E	475 E	259 E	36	11	1.7	1.8	22
23	29	24	69	21	132 E	98 E	431 E	248 E	38	11	1.9	1.6	23
24	28	24	64	21	131 E	108 E	382 E	240 E	34	9.4	1.7	1.2	24
25	27	24	56	21	126 E	118 E	376 E	213 E	32	7.0	1.6	1.2	25
26	26	128 E	54	19	126 E	162 E	350 E	204 E	32	6.4	1.6	1.2	26
27	25	165 E	50	18	117 E	1170 E	329 E	182 E	29	5.7	1.4	1.1	27
28	24	57	48	18	120 #	1320 E	324 E	177 E	29	5.1	1.6	0.9	28
29	23	47	44	21	836 E	836 E	334 E	170 E	27	4.7	1.6	0.9	29
30	21	42 *	41	179	731 E	731 E	338 E	159 E	25	3.8	1.6	0.9	30
31	21		41	2880 E	701 E	701 E	141 E	141 E	4.0	4.0	1.8		31
MEAN	74.6	34.4	129	124	660	228	646	258	58.9	13.7	2.4	1.7	MEAN
MAX.	742	165 E	807	2880 E	2910 E	1320 E	1830 E	334 E	132 E	24.0	4.1	2.2	MAX
MIN.	21.0	19.0	41.0	18.0	117 E	73.0E	324 E	141 E	25.0	3.8	1.4	0.9	MIN.
AC.FT.	4586	2049	7906	7615	36660	13990	38460	15850	3507	845	148	102	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- Flood *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY		TIME
181	6490	E	6.87	1	31	1740	0.9	1.40	9	27	2400	131700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 41	122 32	SW15 21N 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	NOV 35-SEP 37 AUG 52-MAR 57 AUG 59-DATE				

Station located at Chrome Road bridge, 5.1 mi. N of Elk Creek. Tributary to Sacramento River via Stony Creek.

TABLE 36
DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT ORD FERRY

STATION NO.	WATER YEAR
A02570	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6280	7880	9400	14100	89100 F	16600	19700	15200	9960	8040	7820	8560	1
2	6060	7810	9260	13500	76800 F	16300	15300	15000	9550	8320	8170	8690	2
3	5940	7430	17600	13400	42400 F	16100	12800	14600	9130	8340	8260	8750	3
4	5930	7270	21900	13000	33800	15700	11600	14200	8910	8370	8350	8730	4
5	5880	7020	14900	12700	27400	13500	10900	13700	8720	8380	8390	8810	5
6	5740	7030	12400	12300	23900	11000	22500	13300	8530	8310	8400	8930	6
7	5710	6990	11400	12200	22300	8870	47800 E	13000	8410	8280	8400	9000	7
8	5720	6950	11200	12000	21700	7550	45600 E	14300	8280	8330	8410	9230	8
9	5760	6940	11300	11500	21800	7160	33600 E	16500	8120	8300	8460	9510	9
10	5920	6950	11000	11000	35000	6970	36500	19300	7980	8230	8510	9640	10
11	8700	7060	10800	10500	39100	6760	58000 E	19600	7870	8170	8550	9610	11
12	26600	7030	10600	9960	30300	6550	63500 E	19500	7770	8090	8590	9790	12
13	59700	7000	10500	9470	37800	6380	58600 E	18900	7660	8130	8580	9950	13
14	48700	6990	10500	9160	35700	6260	75300 E	18400	7620	8130	8510	10100	14
15	23600	6950	10700	9150	29600	6220	105000 E	18100	7680	8090	8550	10200	15
16	14500	6950	20600 E	9050	25700	6480	87100 E	17400	7900	8080	8580	10200	16
17	11500	6950	34600 E	8760	26100	7260	71100 E	17100	7890	8030	8600	10200	17
18	10100	6970	52700 E	8680	24800	6930	45700 E	16800	7800	8000	8580	10300	18
19	9360	6970	27900	8550	22500	6860	44100 E	16700	7660	7970	8570	10400	19
20	8940	6960	21800	8470	20200	6360	49100 E	16500	7530	7970	8620	10400	20
21	8890	7000	19200	8310	18100	6400	42300	16500	7400	7980	8610	10500	21
22	8680	7030	17800	8290	16800	5820	35500	15600	7500	8020	8390	10200	22
23	8540	7020	16800	8220	17900	6000	33400	14900	7730	7930	8370	10200	23
24	8370	7040	16000	8120	17900	7240	27900	14100	7790	7850	8410	10300	24
25	8250	7060	15500	8130	17700	7650	24600	13200	7740	7860	8430	10300	25
26	8160	7080	15000	8110	17400	6920	22500	12100	7670	7810	8450	10300	26
27	8090	12000	14700	8060	17100	7860	20600 E	11600	7600	7840	8430	10200	27
28	8020	13200	14600	7980	16800	40700	18300 E	11200	7910	7870	8120	10200	28
29	7980	10700	14400	8040		35700	17300 E	10900	8010	7930	8040	10200	29
30	7920	9810	14300	12300		23000	16800 E	10900	8040	7930	8230	10200	30
31	7900		14100	45900 E		20100		10500		7780	8480		31
MEAN	12300	7668	16560	11260	29490	11390	39400	15150	8079	8076	8415	9787	MEAN
MAX.	69700 E	13200	52700 E	45900 E	89100 E	40700 E	105000 E	19600	9960	8380	8620	10500	MAX.
MIN.	5710	6940	9260	7980	16800	5820	10900	10500	7400	7780	7820	8560	MIN.
AC.FT.	756600	456300	1018000	692100	1638000	700600	2344000	931400	480700	496600	517400	582300	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
14660		108000	65.02	4	15	1250	5660	45.87	10	7	1620	10610000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 21N 1W	370000	121.7	2/28/40	JAN 48-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	USED
							NOV 39-MAY 41 #				
							NOV 41-DATE				

Station located 0.1 mi. below Ord Ferry. Records of flow in excess of 70,000 c.f.s. are based on extension of rating curve and correlation with adjacent gaging stations because of inability to measure flow above this figure.

- Flood season only.

TABLE 37
DAILY MEAN DISCHARGE
MOULTON WEIR SPILL TO BUTTE BASIN

STATION NO.	WATER YEAR
A02986	1963

IN SECOND FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OAY
1					355		0.0						1
2					5160		0.0						2
3					576 *		0.0						3
4					0.0		0.0						4
5					0.0		0.0						5
6					0.0		0.0						6
7					0.0		0.0						7
8					0.0		0.0						8
9					0.0		0.0						9
10					0.0		0.0						10
11					0.0		0.0						11
12	N	N	N	N	0.0	N	93	N	N	N	N	N	12
13	O	O	O	O	0.0	O	171	O	O	O	O	O	13
14					0.0		421						14
15					0.0		6470 *						15
16	F	F	F	F	0.0	F	9530	F	F	F	F	F	16
17	L	L	L	L	0.0	L	4380	L	L	L	L	L	17
18	O	O	O	O	0.0	O	1230	O	O	O	O	O	18
19	W	W	W	W	0.0	W	0.0	W	W	W	W	W	19
20					0.0		0.0						20
21					0.0		0.0						21
22					0.0		0.0						22
23					0.0		0.0						23
24					0.0		0.0						24
25					0.0		0.0						25
26					0.0		0.0						26
27					0.0		0.0						27
28					0.0		0.0						28
29					0.0		0.0						29
30					0.0		0.0						30
31					0.0		0.0						31
MEAN	0.0	0.0	0.0	0.0	218	0.0	743	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	5160	0.0	9530	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.					12080		44220						AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE- FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
77.8	10800	80.26	4	16	0400	0.0		10	1	0000	56300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. U. S. E. D. datum; length of crest is 500 ft.

- Flood season only.

TABLE 38
DAILY MEAN DISCHARGE
SACRAMENTO RIVER OPPOSITE MOULTON WEIR

STATION NO	WATER YEAR
A02450	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5980					17400	21000	16800	9700	7770	7270	8250	1
2	5980					17200	18000	16000	9120	7930	7460	8390	2
3	4850					17000	14500	15400	8710	8070	7740	8500	3
4	5700					16600	12800	14800	8480	8110	7850	8530	4
5	5640					15000	11900	14200	8290	8120	7920	8580	5
6	5520					12600	14500	13700	8100	8060	7910	8720	6
7	5450					10300	33100	13300	7960	8040	7900	8820	7
8	5410	N	N	N	N	8470	41100 E	13300	7850	8030	7900	9040	8
9	5410	O	O	O	O	7820	35900	15500	7730	8020	7990	9270	9
10	5430	T	T	T	T	7500	34500	18200	7600	7970	7980	9540	10
11	6640					7250	39100 E	18800	7460	7860	8020	9610	11
12	13500					7000	46800 E	19200	7400	7780	8050	9780	12
13	37800 E	C	C	C	C	6790	47500 E	18700	7310	7760	8040	9930	13
14	45600 E	O	O	O	O	6630	48100 E	18100	7260	7810	7960	10200	14
15	33800 E	M	M	M	M	6580	54000 E	17800	7280	7750	7950	10300	15
16	19100	P	P	P	P	6660	56000 E	17300	7580	7700	7990	10400	16
17	13700	U	U	U	U	7520	52600 E	16600	7590	7620	8060	10400	17
18	11200	T	T	T	T	7380	49100 E	16300	7570	7610	8130	10500	18
19	10100	E	E	E	E	7020	43200 E	16100	7390	7570	8070	10600	19
20	9260	D	D	D	D	6780	41500 E	15900	7270	7570	8150	10600	20
21	9030					6340	41000 E	15800	7130	7540	8210	10700	21
22	8830					6050	36400	15300	7130	7550	8080	10600	22
23	8610					6140	34200	14500	7400	7520	7980	10400	23
24	8420					7110	30600	13600	7530	7410	8020	10500	24
25	8220					8000	27100	12800	7500	7400	8050	10600	25
26	8080					7460	24000	11900	7480	7370	8070	10500	26
27	7980					7130	22500	11200	7400	7390	8070	10500	27
28	7920					20900	20600	10800	7580	7360	7950	10400	28
29	7830					36300	18900	10400	7780	7400	7780	10300	29
30	7690					28400	18000	10400	7810	7360	7870	10300	30
31	7610					21900	10200	10200	7810	7250	8140		31
MEAN	11190					11460	32950	14930	7746	7700	7954	9829	MEAN
MAX.	45600 E					36300	56000 E	19200	9700	8120	8210	10700	MAX.
MIN.	5410					6050	11900	10200	7130	7250	7270	8250	MIN.
ACFT.	688000					704600	1961000	918100	460900	473500	489000	584800	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE- FEET NR
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
	56900 E	80.70	4	16	56.62	10	9	0400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42	MAR 54- DATE #	OCT 22-MAY - #			0.00	USED
							JUL 40-JUL 41				
							NOV 41-JUL 43 #				
							OCT 43-DATE				

Station located immediately W of weir, 4.8 mi. S of Princeton. Flow computed for irrigation season only.

- Flood season only.
8 - Irrigation season only.

TABLE 39

DAILY MEAN DISCHARGE
COLUSA WEIR SPILL TO BUTTE BASIN

STATION NO.	WATER YEAR
A02961	1962

IN SECONO FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0		0.0	0.0	1390	0.0	0.0						1
2	0.0		0.0	0.0	33600	0.0	0.0						2
3	0.0		0.0	0.0	22200	0.0	0.0						3
4	0.0		0.0	0.0	7340	0.0	0.0						4
5	0.0		0.0	0.0	885	0.0	0.0						5
6	0.0		0.0	0.0	0.0	0.0	0.0						6
7	0.0		0.0	0.0	0.0	0.0	0.0						7
8	0.0		0.0	0.0	0.0	0.0	11600						8
9	0.0		0.0	0.0	0.0	0.0	6530 *						9
10	0.0		0.0	0.0	0.0	0.0	3820						10
11	0.0		0.0	0.0	4820	0.0	6450						11
12	0.0	N	0.0	0.0	3030	0.0	18400		N	N	N	N	12
13	4710 E	O	0.0	0.0	1350	0.0	22500	O	O	O	O	O	13
14	18500 *		0.0	0.0	5640	0.0	21500						14
15	6180		0.0	0.0	1760	0.0	31200						15
16	0.0	F	0.0	0.0	9.3	0.0	43900	F	F	F	F	F	16
17	0.0	L	0.0	0.0	0.0	0.0	37600	L	L	L	L	L	17
18	0.0	O	0.520	0.0	0.0	0.0	29300	O	O	O	O	O	18
19	0.0	W	0.030	0.0	0.0	0.0	18600	W	W	W	W	W	19
20	0.0		0.0	0.0	0.0	0.0	12900						20
21	0.0		0.0	0.0	0.0	0.0	11800						21
22	0.0		0.0	0.0	0.0	0.0	5780						22
23	0.0		0.0	0.0	0.0	0.0	3360						23
24	0.0		0.0	0.0	0.0	0.0	247						24
25	0.0		0.0	0.0	0.0	0.0	0.0						25
26	0.0		0.0	0.0	0.0	0.0	0.0						26
27	0.0		0.0	0.0	0.0	0.0	0.0						27
28	0.0		0.0	0.0	0.0	0.0	0.0						28
29	0.0		0.0	0.0	0.0	5120	0.0						29
30	0.0		0.0	0.0	0.0	655	0.0						30
31	0.0		0.0	58		0.0							31
MEAN	690	0.0	405	1.9	3111	186	9583	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	18500	0.0	6520	58	33600	5120	43900	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
ACFT	58290		24890	115	172700	11450	570200						ACFT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET	
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY		
1157	45300	66.72	4	16	0.0		10	1	0000	837645

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at N end of weir, 2.0 mi. N of Colusa. Elev. of weir crest is 61.80 ft. U. S. E. D. datum; length of crest is 1,650 ft.

- Flood Season only.

TABLE 40
DAILY MEAN DISCHARGE
LITTLE CHICO CREEK DIVERSION NEAR CHICO

STATION NO.	WATER YEAR
A04910	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	273	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	14.2	0.0	0.0	5.5	0.2	0.1	1.1	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	273	0.0	0.0	170	5.1	2.8	32	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.	875			337	10	6	63						AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ± - E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 1291
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
1.8	790	E	6.08	10	13	1520	0.0		10	1	0000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
			790 E	6.08	10/13/62	JAN 59-DATE					

See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, during periods of high water, into Butte Creek.

TABLE 41

DAILY MEAN DISCHARGE
BUTTE CREEK NEAR DURHAM

STATION NO.	WATER YEAR
A04265	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37	54	153	245	5370 #	321	1070	872	144	47	25	27	1
2	35	55	295	244	2700	331	896	853	137	44	29	27	2
3	40	54	1620	247	2080	344	782	858	129	39	27	27	3
4	42	51	954	222	1720	343	713	867	136	40	26	27	4
5	34	51	583	247	1480	307	749	869	131	34	27	25	5
6	30	50	380	225	1250	287	2670	869	134	34	26	24	6
7	26	52	288	218	1110	289	3250	903	118	32	28	25	7
8	24	51	139	233	1060	294	2250 *	899	120	27 *	28	28	8
9	29	54	114	237	1010	312	1780	793	130	26	31 *	24	9
10	59	124	95	237	968	293	1600	728	158	25	30	23	10
11	415	84	69	232	842	254	1410	742	157	23	30	22	11
12	4580 E	75	60	192	839	235	1250	708	154	21	28	27	12
13	5730 E	74	49	207	1090	235	1320	648 *	139	21	27	24	13
14	3550 #	71	41	239	1070	266	3420	637	128	21	28	27	14
15	1370	73	433	204	876	302 *	3000	511	115	22	28	23	15
16	865	70	1410	233	756	554	2160	508	86	23	28	21	16
17	611	75	2050	265 *	723	617	1740	489	98	21	28	23 *	17
18	407	74	1640 *	332	597 *	441	1480	484	113 *	23	28	27	18
19	277	71	1050	213	533	347	1610	420	99	22	28	27	19
20	197	71	813	254	492	350	1400	404	89	23	28	28	20
21	138	71	710	244	442	352	1220	421	75	23	27	28	21
22	107	76	614	255	410	360	1080	370	110	23	26	33	22
23	88	82	525	244	362	740	1000	330	182	23	27	48	23
24	76	82	467	239	343	711	966	314	131	23	32	53	24
25	69	88	403	240	324	522	938	278	69	24	27	50	25
26	73	279	338	247	325	393	903	254	62	25	26	49	26
27	74	858	392	246	346	1290	905	218	60	23	29	53	27
28	90	344 *	270	259	334	3010 *	854	229	68 *	26	27	53	28
29	72	199	281	270	1760	851	851	189	90	26	28	51	29
30	65	171	272	1510	1400	860	860	183	61	25	28	50	30
31	58		268	6260 E	1210			171		26	28		31
MEAN	622	120	541	476	1052	596	1471	549	114	26.9	27.8	32.3	MEAN
MAX.	5730 E	858	2050	6260 E	5370 E	3010	3420	903	182	47.0	32.0	53.0	MAX.
MIN.	24.0	50.0	41.0	192	324	235	713	171	60.0	21.0	25.0	21.0	MIN.
ACFT.	38220	7109	33280	29240	58420	36640	87530	33760	6789	1656	1712	1922	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE 464	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 336200
	DISCHARGE 9810 E	GAGE HT. 11.29	MO. 1	DAY 31	TIME 2210	DISCHARGE 18.0	GAGE HT. 2.86	MO. 9	DAY 11	TIME 1410	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 40 37	121 46 38	NW17 21N 2E	9810 E	11.29	1/31/63	JAN 58-DATE	JAN 58-DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough.

TABLE 42
DAILY MEAN DISCHARGE
LITTLE CHICO CREEK NEAR CHICO

STATION NO.	WATER YEAR
A04280	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	0.0	4.0	9.2	23	557	18	99	50	13	5.8	1.9	1.0	1
3	0.0	4.6	11	22	243	18	86	46	13	4.9	1.8	1.1	2
4	0.0	4.5	56	21	168	18	74	42	12	5.1	1.9	0.7	3
5	0.0	4.4	33	21	119	17	71	41	13	5.0	2.0	0.5	4
6	0.0	4.2	25	21	91	15	81	39	12	5.0	1.7	0.5	5
7	0.0	4.0	20	19	71	16	265	36	12	4.9	1.7	1.3	6
8	0.0	3.4	15	19	61	14	379	36	11	4.9	1.3	1.2	7
9	0.0	3.3	13	18	55	13	227	38	11	4.7	1.3	0.8	8
10	0.0	3.5	13	18	62	15	190	35	10	4.2*	1.5*	0.8	9
11	0.0	4.5	12	18	73	14	188	33	10	3.9	1.7	0.6	10
12	43	3.6	13	18	49	14	155	41	10	3.9	1.2	0.7	11
13	929	3.5	11	18	106	14	130	34	10	3.8	1.0	0.8	12
14	1110 E	3.5	11	17	162	14	143	31	10	3.7	0.9	1.6	13
15	277 *	3.8	11	19	205	16	700	29	9.2	3.3	0.6	1.2	14
16	55	3.5	81	19	103	16 *	377	27	8.7	3.4	0.8	1.1	15
17	29	3.1	164	17	80	80	244	25	8.3	3.3	0.7	1.0	16
18	25 *	3.1	365	16 *	78	41	188	23	7.6	3.0	0.7	1.4*	17
19	17	3.1	183	14	56 *	37	162	22	7.4*	3.2	0.5	1.4	18
20	13	3.1	95 *	14	46	36	217	22	7.1	2.7	0.5	1.7	19
21	11	3.5	68	14	36	35	160	21	7.1	2.8	0.7	1.9	20
22	9.7	3.6	53	15	27	34	131	20	7.2	2.8	0.7	1.9	21
23	9.0	3.6	45	14	25	34	108	19	7.3	2.8	0.8	1.7	22
24	8.5	3.6	40	13	24	51	95	18	7.3	2.7	0.9	2.0	23
25	7.6	3.6	36	13	22	42	85	18	7.1	2.6	1.2	1.5	24
26	7.4	3.3	33	13	22	38	79	17	6.6	2.5	1.0	1.2	25
27	6.8	28	30	13	22	35	75	17	6.1	2.3	0.9	0.9	26
28	6.9	32	29	12	21	300	79	15	6.1	1.9	0.6	0.6	27
29	6.2	16 *	28	12	19	462	66	15	6.7	2.0	0.5	0.5	28
30	5.6	12	26	14	200	60	60	15	6.3	2.0	0.7	0.6	29
31	4.6	11	26	325	140	53	53	15	5.7	1.8	0.8	0.3	30
32	4.2		24	955		113		14		1.8	1.1		31
MEAN	83.4	6.4	50.9	56.9	93.0	61.6	166	27.5	9.0	3.4	1.1	1.1	MEAN
MAX.	1110 E	33.0	365	955	557	462	700	50.0	13.0	5.8	2.0	2.0	MAX.
MIN.	0.0	3.1	9.2	12.0	19.0	13.0	53.0	14.0	5.7	1.8	0.5	0.3	MIN.
AC.FT.	5128	381	3132	3501	5163	3788	9852	1694	533	212	67	64	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E end *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE- FEET	
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY		
46.3	1820 E	6.08	10	13	0.0		10	1	0000	33520

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 44 01	121 46 16	NE29 22N 2E	1820 E	6.08	10/13/62	JAN 59-DATE	DEC 58-DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S of Stilson Rd., 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion.

TABLE 43
DAILY MEAN DISCHARGE
CHEROKEE CANAL NEAR RICHVALE

STATION NO.	WATER YEAR
A02984	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	28	64	48	61	1010 *	65	215	81	63	19	20	16	1
3	5.9	62	55	61	396	64	134	77	64	18	20	17	2
4	2.0	57	118	61	268	62	114	68	55	19	20	19	3
5	4.7	55	98	58	172	58	108	68	50	20	22	21	4
6	2.3	59	73	55	125	58	144	73 E	53	18	20	12	5
7	1.2	56	66	55	97	58	972	86 E	51	16	19	3.5	6
8	2.0	56	61	55	113	58	1060	106 E	53	16	17	2.6	7
9	1.7	56	56	55	113	58	414	112 E	49	21 *	17	21	8
10	1.7	58	52	59	161	60	273	121 E	46	17	17	26	9
11	1.9	62	52	56	430	59	297	109 E	42	17	20	28	10
12	2.6	53	49	51	173	55	292	152 E	44	15	21	29	11
13	1450	52	49	53	155	51	173	138 E	41	15	17	42	12
14	8030 #	50	46	50	1010	49	301	109 #	38	14	19	46	13
15	3000 *	49	46	47	1050	50	2220	94 E	49	10	23	55	14
16	794	49	432	46	412	57 *	920	79 E	48	10	19	57	15
17	433	47	769	44	232	171	437	65	44	9.8	17	61	16
18	285	47	1460	36 *	372	250	278	46	40	13	17	42 *	17
19	192	46	833 *	42	207	107	201	25	44 *	23	16	35	18
20	150	46	315	42	143 *	84	584	51 E	46	21	13	34	19
21	126	45	181	42	108	75	389	92 E	38	21	12	32	20
22	112	48	137	37	94	72	309	119 E	37	23	14	33	21
23	103	45	115	46	87	67	192 *	120 E	37	22	17	52	22
24	94	44	103	48	91	112	155	104 E	35	22	16	61	23
25	89	42	93	44	90	108	126	63	36	21	15	56	24
26	84	42	80	45	85	82	119	69	35	21	16	31	25
27	81	110	72	44	68	63	124	65	32	16	15	14	26
28	76	344	70	44	67	493	113	65	25	9.9	16	14 *	27
29	72	92 *	68	44	66	1900 *	102	57	19	7.4	18	15	28
30	70	63	66	49	49	537	93	51	19	13	15	21	29
31	68	51	63	1440	296	296	87	55	21	18	13	13	30
31	66	61	61	1900 *	200	200	61	61	18	14	14	13	31
MEAN	498	65.0	187	154	264	177	365	83.3	41.8	16.9	17.3	30.3	MEAN
MAX.	8030 E	344	1460	1900	1050	1900	2220	152 E	64.0	23.0	23.0	61.0	MAX.
MIN.	1.2	42.0	46.0	36.0	66.0	49.0	87.0	25.0	19.0	7.4	12.0	2.6	MIN.
AC.FT.	30600	3868	11480	9461	14670	10870	21710	5119	2487	1040	1061	1803	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
157	15200 E	13.80	10	13	1940	0.9	2.02	10	3	1950	114200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	15200 E	13.80	10/13/62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located on Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

E - Estimated.

TABLE 44
DAILY MEAN DISCHARGE
BUTTE SLOUGH AT OUTFALL GATES

STATION NO.	WATER YEAR
A02967	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	132	437	368	0.0	NR	0.0	0.0	0.0	112	200	64	260	1
2	118	401	278	0.0	NR	0.0	0.0	94	242	193	62	264	2
3	114	364	0.0	0.0	NR	0.0	830	152	329	182	164	315	3
4	100	379	0.0	0.0	NR	0.0	1130	230	371	173	193	298	4
5	77	290	0.0	0.0	NR	0.0	1160	274	365	123	155	318	5
6	56	330	117	65	NR	316	1010	340	323	116	166	311	6
7	56	452	272	125	NR	605	0.0	407	393	119	190	278	7
8	57	452	223	284	NR	767	0.0	413	437	125	193	387	8
9	153	417	162	374	NR	711	NR	0.0	459	120	195	483	9
10	929	406	0.0	417	NR	679	NR	0.0	484	112	216	471	10
11	709	395	0.0	427	NR	635	NR	0.0	507	115	211	476	11
12	NR	422	0.0	406	NR	635	NR	0.0	531	106	174	502	12
13	NR	483	0.0	442	NR	629	NR	0.0	566	80	132	542	13
14	NR	512	0.0	472	NR	610	NR	0.0	575	56	80	562	14
15	NR	507	0.0	432	NR	586	NR	0.0	572	59	71	591	15
16	NR	526	0.0	432	NR	577	NR	0.0	592	40	68	577	16
17	NR	648	0.0	472	NR	581	NR	0.0	590	0.0	70	572	17
18	NR	697	0.0	447	NR	686	NR	0.0	596	0.0	70	460	18
19	NR	678	0.0	463	NR	673	NR	0.0	560	0.0	75	369	19
20	2290	690	0.0	427	NR	717	NR	0.0	497	39	130	418	20
21	2340	588	0.0	379	NR	786	NR	0.0	398	69	156	418	21
22	2070	463	390	379	NR	767	NR	0.0	339	75	160	402	22
23	1850	374	488	411	NR	774	NR	0.0	313	72	168	497	23
24	1960	313	488	374	NR	711	NR	0.0	316	38	170	418	24
25	1390	272	417	390	NR	692	NR	0.0	332	15	174	357	25
26	1110	266	417	352	0.0	780	NR	0.0	341	42	193	267	26
27	904	44	336	319	0.0	799	NR	0.0	365	63	207	286	27
28	727	0.0	247	342	0.0	0.0	0.0	0.0	337	93	200	202	28
29	623	290	203	336	0.0	0.0	0.0	0.0	205	92	207	76	29
30	550	379	140	352	0.0	0.0	0.0	57	162	74	223	34	30
31	488		0.0	0.0	0.0	0.0		112		64	240		31
MEAN	NR	416	147	301	NR	475	NR	67.1	407	85.6	154	380	MEAN
MAX.	NR	697	488	472	NR	799	NR	413	596	200	240	591	MAX.
MIN.	NR	0.0	0.0	0.0	NR	0.0	NR	0.0	112	0.0	62.0	34.0	MIN.
ACFT.	NR	24740	9017	18480	NR	29190	NR	4124	24220	5266	9475	22630	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE-FEET NR				
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME		
	NR												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 ‡ JAN 39-DATE	JUN 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. These flows, together with flow of Butte Slough at Mawson Bridge and Wadsworth Canal near Sutter are, during the summer months, made up almost entirely of return water from lands irrigated by Feather River diversions.

‡ - Irrigation season only.

TABLE 45
DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT MERIDIAN

STATION NO	WATER YEAR
A02380	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6220					16600	21900	17700	9860	7680	7460	8230	1
2	6190					16400	20300	16600	9440	7710	7530	8330	2
3	5960					16100	17400	16000	9120	7870	7850	8460	3
4	5880					15900	15200	15400	8830	7930	8020	8530	4
5	5820					15100	13900	14900	8670	7960	8020	8520	5
6	5690					13400	13600	14400	8510	7910	8040	8680	6
7	5620					11500	24000	14000	8310	7890	8070	8870	7
8	5570					9750	30300	13600	8160	7890	8060	9010	8
9	5570	N	N	N	N	8820	30000	14800	8070	7880	8140	9240	9
10	5610	O	O	O	O	8410	29400	16500	7990	7890	8100	9570	10
11	6110	T	T	T	T	8150	30000	17900	7880	7840	8160	9770	11
12	9640					7790	31600	18400	7800	7780	8140	9910	12
13	NR	C	C	C	C	7560	32000	18300	7730	7760	8100	10100	13
14	30800	O	O	O	O	7400	32000	17800	7670	7750	8030	10300	14
15	29600	M	M	M	M	7320	33000	17400	7600	7740	7950	10500	15
16	24200	P	P	P	P	7320	34100	16900	7800	7670	7970	10600	16
17	18900	U	U	U	U	7910	33500	16200	7890	7570	8060	10600	17
18	15700	T	T	T	T	8160	32700	15800	7850	7570	8160	10600	18
19	13800	E	E	E	E	7790	31700	15600	7710	7560	8110	10700	19
20	12500	D	D	D	D	7590	31100	15300	7550	7600	8150	10800	20
21	11500					7310	31100	15200	7330	7690	8220	10800	21
22	10900					7030	30400	15000	7160	7650	8190	10900	22
23	10500					7000	29800	14200	7320	7680	8000	10700	23
24	10100					7470	29000	13400	7450	7550	7980	10700	24
25	9770					8530	27300	12700	7460	7510	8020	10800	25
26	9450					8400	25200	11900	7410	7540	8040	10700	26
27	9200					7950	23800	11100	7380	7530	8050	10600	27
28	8980					12880	22200	10700	7410	7590	8040	10600	28
29	8820					27700	20200	10400	7560	7610	7850	10500	29
30	8680					27500	18800	10300	7590	7600	7840	10400	30
31	8460					23700		10200		7490	8060		31
MEAN	NR					11430	26520	14790	7950	7706	8013	9934	MEAN
MAX.	NR					27700	34100	18400	9860	7960	8220	10900	MAX.
MIN.	NR					7000	13600	10200	7160	7490	7460	8230	MIN.
AC.FT.	NR					702900	1578000	909600	473100	473800	492700	591100	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
NR	34200	59.12	4	16	1200	34.57	10	8	1720		NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 08 42	121 55 00	SE13 15N 1W		64.4	3/1/40	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Flow computed for irrigation season only.

8 - Irrigation season only.

TABLE 46

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

STATION NO	WATER YEAR
A02965	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OAY
1	0.0	3.2	0.0	24	101	36	33	36	55	33	46	49	1
2	0.0	16	0.0	38	86	35	33	10	58	30	46	55	2
3	0.0	16	0.0	28	66	10	35	16	66	28	44	59	3
4	0.0	11	0.0	0.0	42	0.0	11	0.0	44	39	47	54	4
5	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	52	40	46	57	5
6	0.0	0.0	0.0	0.0	31	25	0.0	8.0	64	40	48	61	6
7	0.0	0.0	0.0	27	64	38	25	11	64	42	45	51	7
8	3.1	0.0	13	29	32	38	31	11	31	46	46	49	8
9	4.7	0.0	0.0	0.0	55	39	29	20	21	45	49	43	9
10	5.5	0.0	0.0	0.0	68	13	29	20	23	45	50	40	10
11	0.0	0.0	24	0.0	69	0.0	29	19	23	46	50	78	11
12	0.0	0.0	0.0	26	48	0.0	8	15	26	43	40	86	12
13	72	0.0	0.0	14	100	0.0	0.0	15	25	43	27	45	13
14	167	0.0	0.0	0.0	117	0.0	21	15	28	42	17	57	14
15	156	0.0	14	0.0	99	0.0	9.8	18	30	41	15	57	15
16	91	0.0	16	0.0	77	0.0	5.8	15	28	42	15	57	16
17	68	0.0	26	27	68	0.0	25	13	22	41	23	57	17
18	38	0.0	60	29	68	27	28	11	22	42	26	56	18
19	20	0.0	30	0.0	34	11	13	31	22	46	31	44	19
20	22	0.0	31	0.0	52	0.0	29	56	22	48	32	8.5	20
21	0.0	0.0	32	0.0	47	0.0	20	84	22	46	41	26	21
22	20	0.0	34	0.0	34	0.0	29	74	32	44	50	37	22
23	35	0.0	35	0.0	35	0.0	30	96	32	45	58	37	23
24	21	0.0	35	0.0	35	0.0	30	97	35	46	57	37	24
25	18	0.0	12	0.0	35	0.0	31	77	36	46	56	28	25
26	19	0.0	0.0	0.0	35	0.0	31	59	35	46	56	7.6	26
27	22	0.0	26	0.0	36	0.0	24	80	34	47	53	20	27
28	0.0	0.0	37	0.0	35	28	19	65	34	47	50	36	28
29	18	0.0	10	15	32	32	27	52	36	45	54	25	29
30	18	0.0	0.0	39	31	31	21	56	33	44	56	0.0	30
31	16	0.0	0.0	76	32	32		65		43	54		31
MEAN	26.9	1.5	14.0	12.0	57.1	12.7	21.9	36.9	35.2	42.6	42.8	43.9	MEAN
MAX.	167	16	60	76	117	39	35	97	66	48	58	86	MAX
MIN.	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	21	28	15	0.0	MIN.
AC.FT.	1655	92	863	738	3172	783	1302	2271	2093	2620	2634	2612	AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ± - E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 20835
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
26.8	NR				0.0		10 1 0000		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 04 08	121 51 43	NE16 1-N 1E				MAY 24-OCT 31 8					
						JAN 39-DATE					

Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges to irrigation canals.

8 - Irrigation season only.

TABLE 47
DAILY MEAN DISCHARGE
TISDALE WEIR SPILL TO SUTTER BYPASS

STATION NO.	WATER YEAR
AC0960	1963

IN SECOND FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0				950 #								1
2					1440								2
3					1420 *								3
4					10200								4
5					7650								5
6					4620								6
7					1880								7
8					624		671						8
9					109		8740						9
10					578		9200 *						10
11					6340		8600						11
12		N		N	7220		10500 *		N	N	N	N	12
13	1210 E	O		O	6160		11600		O	O	O	O	13
14	9940				3590		11300						14
15	19000 *				6920 *		12700						15
16	5290	F		F	4880		14900		F	F	F	F	16
17	1.2	L		L	2730		13900		L	L	L	L	17
18	0.0			O	2440		12600		O	O	O	O	18
19	0.0	W		W	7720		10700		W	W	W	W	19
20	0.0				3830		285						20
21	0.0				391		0.0						21
22	0.0				0.0		0.0						22
23	0.0				0.0		0.0						23
24	0.0				0.0		0.0						24
25	0.0				0.0		0.0						25
26	0.0				0.0		0.0						26
27	0.0				0.0		0.0						27
28	0.0				0.0		0.0						28
29	0.0				0.0		3750						29
30	0.0				0.0		5190						30
31	0.0				0.0		1340						31
MEAN	791	0.0			3772	332	6095	0.0			0.0		MEAN
MAX.	10000	0.0			14400	5190	14900	0.0			0.0		MAX.
MIN.	0.0	0.0			0.0	0.0	0.0	0.0			0.0		MIN.
AC.FT.	46680				32000	20390	362700						AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
730	16100	48.86	2	3	0100	0.0		10	4	0500	673270

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 35	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located W of N end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. U.S.E.D. datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge.

- Flood season only.

TABLE 48

DAILY MEAN DISCHARGE
SACRAMENTO RIVER ABOVE RECLAMATION DIST 108 PUMPING PLANT
in second-feet

STATION NO.	WATER YEAR
A02250	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5880					18900	21700	15500	8740	6190	5870	6790	1
2	5830					18700	20000	14300	8360	6270	5910	6950	2
3	5700					18400	17300	13500	7930	6440	6120	7170	3
4	5580					18200	15100	12800	7660	6600	6520	7370	4
5	5480					17600	13900	12200	7440	6640	6530	7420	5
6	5420					16000	12500	11600	7100	6670	6440	7560	6
7	5310					13800	17500	11100	6910	6600	6500	7770	7
8	5250	N	N	N	N	11200	23800	10600	6740	6580	6500	7910	8
9	5150	O	O	O	O	9700	24400	11300	6700	6640	6580	8110	9
10	5220	T	T	T	T	8940	24300	13300	6520	6600	6610	8540	10
11	5310					8500	24400	15200	6430	6530	6680	8940	11
12	7170					8210	25000	16000	6350	6510	6600	9280	12
13	16260	C	C	C	C	7990	25200	16300	6330	6410	6520	9710	13
14	21800	O	O	O	O	7740	25100	16200	6180	6370	6500	9950	14
15	23600	M	M	M	M	7560	24900	15900	6110	6480	6340	10200	15
16	23000	F	F	F	F	7460	25300	15500	6140	6410	6370	10300	16
17	18900	U	U	U	U	7730	25200	14700	6300	6240	6460	10400	17
18	14900	T	T	T	T	8290	25100	14100	6310	6170	6660	10200	18
19	13200	E	E	E	E	8110	24500	13700	6230	6190	6590	10300	19
20	12500	D	D	D	D	7720	24300	13300	6120	6270	6510	10400	20
21	9810					7370	24300	13100	5920	6320	6590	10600	21
22	11300					7000	24100	13100	5640	6300	6730	10700	22
23	10700					6740	23900	12800	5690	6220	6530	10600	23
24	10400					6840	23900	12200	5830	6140	6470	10600	24
25	9920					7820	23100	11500	5840	6020	6510	10700	25
26	9670					8220	22200	11100	5800	6050	6540	11800	26
27	9360					7820	21400	10100	5860	6010	6530	10700	27
28	9130					9000	20400	9520	5910	6060	6570	10700	28
29	8910					22200	18600	8920	6040	6140	6400	10600	29
30	8850					25000	16800	8830	6110	6060	6330	10500	30
31	8590					23300		8910		5990	6530		31
MEAN	10260					11680	21940	12810	6508	6326	6470	9426	MEAN
MAX.	23600					25000	25300	16300	8740	6670	6730	11800	MAX.
MIN.	5150					6740	12500	8830	5640	5990	5870	6790	MIN.
AC.FT.	630900					718100	1306000	787800	387300	389000	397800	560900	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE NR	MAXIMUM DISCHARGE NR				MINIMUM DISCHARGE NR				TOTAL ACRE-Feet NR
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R. M DB&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 52 58	121 48 59	SW13 12N 1E				MAR 55-DATE #	FEB 55-DEC 55				
							FEB 56-MAY 59				
							NOV 59-DATE				

Station located below Tyndall Landing, 2.5 mi. NW of district drainage pumping plant, 6.2 mi. W of Robbins. Flow computed for irrigation season only should not be considered to have the same degree of accuracy as other records published in this report.

- Irrigation season only

TABLE 49

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER
in second-feet

STATION NO	WATER YEAR
A02933	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	672	86	38	71	436	311	179	201	1
2	0.0	61	48	123	590	0.0	65	78	589	191	216	326	2
3	96	3.2	0.0	0.0	302	94	0.0	75	446	235	204	333	3
4	0.0	35	0.0	0.0	153	0.0	121	116	451	253	216	322	4
5	0.0	0.0	0.0	94	125	87	76	83	448	194	258	339	5
6	0.0	99	0.0	42	127	88	47	138	441	278	229	315	6
7	0.0	0.0	0.0	0.0	125	0.0	52	82	406	161	235	328	7
8	0.0	0.0	0.0	0.0	0.0	99	70	142	404	354	241	353	8
9	104	16	87	0.0	190	0.0	56	142	515	401	253	335	9
10	0.0	0.0	0.0	91	389	110	77	229	412	356	261	373	10
11	126	0.0	0.0	0.0	227	0.0	60	219	458	186	275	391	11
12	237	56	0.0	34	230	63	75	274	455	224	277	378	12
13	415	0.0	0.0	64	345	44	77	224	453	161	188	449	13
14	660	0.0	0.0	0.0	300	54	272	278	463	161	268	454	14
15	648	0.0	89	0.0	199	49	192	283	412	220	248	432	15
16	546	103	79	0.0	130	0.0	142	283	529	161	221	341	16
17	147	0.0	83	0.0	130	90	122	330	368	161	322	298	17
18	124	59	143	0.0	130	35	85	283	417	161	384	250	18
19	0.0	0.0	0.0	0.0	132	0.0	105	288	413	213	233	251	19
20	0.0	0.0	121	0.0	132	59	120	288	390	184	218	229	20
21	186	0.0	0.0	0.0	56	44	65	358	368	228	176	157	21
22	0.0	0.0	123	0.0	90	50	98	375	317	161	231	216	22
23	63	0.0	106	0.0	151	0.0	39	376	475	161	262	149	23
24	0.0	0.0	0.0	0.0	26	66	127	411	317	217	283	151	24
25	141	95	0.0	139	0.0	0.0	53	388	368	186	213	172	25
26	0.0	0.0	132	0.0	142	89	104	492	368	214	275	205	26
27	98	0.0	0.0	0.0	139	57	66	429	368	262	295	151	27
28	12	0.0	0.0	122	17	92	49	496	368	209	251	140	28
29	72	84	84	116	116	123	127	494	361	188	253	0.0	29
30	0.0	0.0	126	230	230	0.0	49	533	365	163	322	134	30
31	63	0.0	0.0	406	406	140	541	541	231	317	317	0.0	31
MEAN	121	20.4	39.4	47.1	187	52.2	87.6	284	419	219	252	272	MEAN
MAX.	660	103	143	406	672	140	272	541	589	401	384	454	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	317	161	176	0.0	MIN.
ACFT.	7414	1212	2422	2898	10410	3211	5214	17450	24950	13460	15480	16210	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE	166	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET	120331
		NR					0.0		10	1	0000		

LOCATION				MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.B.M.		OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
				C.F.S.	GAGE HT.	DATE			FROM	TO		
38 51 45	121 47 29	NE30 12N 2E					APR 24-OCT 38 #					
							JAN 39-DATE					

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping. Pumping hours vary and figures shown are not necessarily daily flows. See Sacramento River near Rough and Ready Bend for stages in river. Additional water is sometimes returned to Colusa Basin Drain.

Irrigation season only.

TABLE 50

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

STATION NO.	WATER YEAR
A02955	1963

IN SECOND FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	21.7	2.4	6.8	11.5	30.1	11.0	16.5	39.4	38.2	34.3	47.1	28.0	MEAN
MAX.													MAX.
MIN.													MIN.
ACFT.	1330	145	419	704	1670	674	982	2420	2270	2110	2900	1670	ACFT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOW

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ‡ - E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
23.9	NR					NR					17290

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 50 47	121 43 46	NE34 12N 2E				MAY 49-DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Colusa Basin Drain.

TABLE 51
DAILY MEAN DISCHARGE
STONE CORRAL CREEK NEAR SITES

STATION NO.	WATER YEAR
A00435	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					42	1.1	0.8	2.0	0.2	0.1	0.0	0.0	1
2	0.0	0.0*	0.0	0.0	5.7	1.0	0.3	1.8	0.2	0.2	0.0*	0.0	2
3	0.0	0.0	0.0	0.0	2.3	0.8	0.8	1.6	0.1	0.1	0.0	0.0	3
4	0.0*	0.0	0.0	0.0	1.1	0.8	0.9	1.5	0.1	0.1	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.6	0.8	0.9	1.5	0.1	0.1	0.0	0.0*	5
6					0.4	0.9	1.2	1.6	0.1	0.1	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.3	1.1	20	1.3	0.2	0.1	0.0	0.0	7
8	0.0	0.0	0.0	0.0*	0.2	1.0	3.6	1.3	0.2	0.1	0.0	0.0	8
9	0.0*	0.0	0.0	0.0	31	1.1	1.9	1.4	0.2	0.1*	0.0	0.0	9
10	0.0	0.0	0.0	0.0	116	1.0	1.5	1.4	0.1	0.0	0.0	0.0	10
11					12	1.0	1.5	1.6	0.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0*	0.0	152	0.9	1.3	1.8	0.2	0.0	0.0*	0.0	12
13	0.0	0.0	0.0	0.0	75 *	0.7	1.8	1.6	0.2	0.0	0.0	0.0	13
14	0.0*	0.0	0.0	0.0	16	0.7	153	1.4	0.1	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	9.2	0.6	25	1.1	0.2	0.0	0.0	0.0	15
16					6.5	1.4	10 *	0.8	0.1	0.0	0.0	0.0	16
17	0.0	0.0*	0.0*	0.0	5.3	1.0	7.0	0.7	0.1	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	3.7	0.5	5.6	0.7	0.1	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	2.9	0.4	4.9	0.7	0.1	0.0	0.0*	0.0	19
20	0.0	0.0	0.0*	0.0	2.5*	0.5	4.0	0.7	0.1	0.0	0.0	0.0	20
21					2.2	0.4*	3.4	0.6	0.1	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	1.9	0.6	3.8	0.7	0.2	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	1.5	0.6	2.8	0.7	0.2	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	1.4	0.6	2.6	0.6	0.2	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	1.4	0.4	2.8	0.5	0.1	0.0	0.0	0.0	25
26					1.3	0.5	5.3	0.5	0.1	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	1.1	20	3.2	0.4	0.1	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	1.0	31	2.4	0.4	0.2*	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		4.5	2.3	0.4	0.1	0.0	0.0	0.0	29
30	0.0	0.0	0.0	17		2.8	2.2	0.3	0.1	0.0	0.0	0.0	30
31	0.0	0.0	0.0	219		1.7		0.2*		0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	7.6	17.7	2.6	9.2	1.0	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	219	152	31.0	153	2.0	0.2	0.2	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.2	0.1	0.0	0.0	0.0	MIN.
AC.FT.				468	985	159	549	63	8	2			AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
3.1	880	10.36	2	12	2110	0.0		10	1	0000	2235

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 17 18	122 18 00	NW34 17N 4W	2500 E	14.93	4/2/58	MAH 58-DATE	MAR 58-DATE	1958		0.00	LOCAL

Station located at Maxwell-Sites Highway bridge, 2.5 mi. SE of Sites, 6 mi. NW of Maxwell. Tributary to Colusa Basin Drain.

TABLE 52
DAILY MEAN DISCHARGE
COLUSA BASIN DRAIN AT HIGHWAY 20

STATION NO.	WATER YEAR
A02976	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	119	185	2450 *	254	428	550	1310	591	519	1040	1
2	NR	NR	118	177	2260	226	407	537	1230	540	492	1070	2
3	NR	NR	124	186	1660	207	375	499	1190	574	539	1090	3
4	NR	NR	117	172	1080	NR	408	470	1110	598	613	1160	4
5	NR	NR	126	163	683	NR	409	443	981	630	663	1180	5
6	NR	NR	119	192	511	NR	400	372	935	647	647	1310	6
7	NR	NR	122	222	404	166	492	353	863	648	641	1380	7
8	NR	NR	124	242	358	161	503	344	852	661	642	1360	8
9	NR	NR	124	249	393	155	476	442	891	699	779	1340	9
10	NR	NR	130	216	1370	144	463	498	960	687	727	1400	10
11	NR	NR	126	170	1600	140	446	714	869	674	757	1470	11
12	NR	NR	124	140	1400	136	442	827	798	634	750	1510	12
13	NR	NR	133	146	2370	NR	478	804	745	614	719	1580	13
14	NR	NR	128	149	2550	NR	934	721	765	592	688	1620	14
15	NR	NR	146 E	163	2270	NR	1620	539	750	581	712	1510	15
16	NR	NR	162 E	155	1870	NR	1290	410	712	556	737	1460	16
17	NR	NR	525 E	143	1390	NR	698	391	697	516	717	1410	17
18	NR	NR	1160 E	134	1070	NR	494	463	666	530	771	1300	18
19	NR	NR	906	127	795	NR	573	525	535	531	756	1190	19
20	NR	NR	594	119	608	119	546	613	467	538	754	1080	20
21	NR	NR	451	118 *	494	127 *	500	721	437	557	760	998	21
22	NR	138	378	113	428	121	406 *	790	466	631	762 *	942	22
23	NR	137	365	109	398	193	372	930	515	625	790	843	23
24	NR	130	326 *	106	339	315	310	1060	524	592	861	744	24
25	NR	128	273	101	304	346	329	1080	572	611	902	564	25
26	NR	134	246	93	337	348	539	1120	619	525	950	505	26
27	NR	143	244	87	324 *	393	829	1150	504	475	959	471	27
28	NR	131	242	86	287	653	693	1270	486	431	944	458	28
29	NR	128	227	88		625	621	1290	452	440	968	412	29
30	NR	124	219	404		522	564	1290	521	454	1020	434	30
31	NR		190	1790		435		1300		474	1040		31
MEAN	NR	NR	271	211	1072	NR	568	726	747	576	761	1094	MEAN
MAX	NR	NR	1160 E	1790	2550	NR	1620	1300	1310	699	1040	1620	MAX.
MIN.	NR	NR	117	86.0	287	NR	310	344	437	431	492	412	MIN.
ACFT.	NR	NR	16640	12980	59510	NR	33810	44660	44470	35420	46770	65120	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
‡ - E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 44	122 03 34	NE34 16N 2W	25400 E	51.93	2/21/58	JUN 24-DEC 40 ‡ MAY 41-DATE	JUN 24-DEC 40 ‡ MAY 41-DATE	1957	1957	37.09 0.00	USED USED

Station located at State Highway 20 bridge, 3.0 mi. W of Colusa. Flow is return water in main drain of Reclamation District 2047, chiefly drainage from irrigation districts.

‡ - Irrigation season only.
E - Estimated.

TABLE 53
DAILY MEAN DISCHARGE
COLUSA BASIN DRAIN AT KNIGHTS LANDING

STATION NO	WATER YEAR
A02945	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	480	NR	188	305	0.0	0.0	0.0	0.0	947	484	292	1110	1
2	469	NR	159	304	0.0	0.0	0.0	0.0	970	484	332	1110	2
3	440	NR	0.0	290	0.0	0.0	0.0	0.0	1050	484	364	1160	3
4	420	NR	0.0	305	0.0	0.0	0.0	0.0	1220	484	404	1070	4
5	402	NR	0.0	296	0.0	0.0	0.0	0.0	1460	484	412	1240	5
6	299	NR	0.0	296	0.0	0.0	0.0	0.0	1050	484	384	1400	6
7	79	NR	0.0	335	0.0	308	0.0	0.0	552	480	344	1540	7
8	84	NR	0.0	335	0.0	370	0.0	0.0	300	500	332	1600	8
9	88	NR	0.0	325	0.0	272	0.0	0.0	492	528	468	1620	9
10	115	NR	244	315	0.0	197	0.0	0.0	616	528	596	1700	10
11	263	NR	241	312	0.0	155	0.0	0.0	736	528	600	1730	11
12	927	NR	231	298	0.0	135	0.0	0.0	680	528	592	1670	12
13	0.0	NR	216	240	0.0	113	0.0	0.0	556	484	588	1590	13
14	0.0	NR	211	242	0.0	107	0.0	0.0	568	500	528	1580	14
15	0.0	NR	178	215	0.0	95	0.0	0.0	496	432	512	1520	15
16	0.0	NR	0.0	203	0.0	96	0.0	0.0	464	364	504	1480	16
17	0.0	NR	0.0	195	0.0	107	0.0	0.0	444	364	544	1420	17
18	0.0	NR	0.0	194	0.0	112	0.0	0.0	408	364	588	1390	18
19	0.0	NR	0.0	188	0.0	63	0.0	0.0	408	364	684	1340	19
20	0.0	NR	0.0	151	0.0	21	0.0	0.0	344	364	744	1250	20
21	0.0	NR	0.0	149	0.0	37	0.0	0.0	308	364	636	988	21
22	616	NR	0.0	148	0.0	20	0.0	0.0	288	364	628	875	22
23	652	NR	0.0	143	0.0	78	0.0	0.0	308	364	636	806	23
24	635	NR	0.0	139	0.0	97	0.0	0.0	380	364	684	743	24
25	573	NR	0.0	133	0.0	172	0.0	0.0	476	364	780	576	25
26	457	NR	0.0	127	0.0	268	0.0	440	476	292	888	448	26
27	467	NR	0.0	127	0.0	697	0.0	570	476	276	944	397	27
28	379	NR	0.0	116	0.0	0.0	0.0	682	476	276	1010	363	28
29	337	NR	0.0	112	*	0.0	0.0	758	472	276	916	341	29
30	180	NR	251	215	0.0	0.0	0.0	728	476	256	982	288	30
31	141	NR	295	585	0.0	0.0	0.0	894		256	1110		31
MEAN	274	NR	71.4	237	0.0	114	0.0	131	597	409	614	1145	MEAN
MAX.	927	NR	295	585	0.0	697	0.0	894	1460	528	1110	1730	MAX.
MIN.	0.0	NR	0.0	112	0.0	0.0	0.0	0.0	288	256	292	288	MIN.
ACFT.	16870	NR	4391	14550		6982		8077	35500	25160	37740	68120	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET NR
	DISCHARGE NR	DISCHARGE NR	GAGE HT.	MO	DAY	TIME	DISCHARGE NR	GAGE HT	MO	DAY	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & B. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with flows of Reclamation District 787 to Colusa Basin Drain, Maximum gage height listed does not indicate maximum discharge.

8 - Irrigation season only.

TABLE 54

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

STATION NO.	WATER YEAR
A02950	1963

IN SECOND FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	8.8	0.9	1.3	5.7	10.9	5.0	5.6	31.7	71.7	74.9	52.8	42.4	MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.	543	54	76	350	603	310	333	1950	4270	4600	3240	2520	AC.FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ‡ - E and *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
26.0	NR					NR					18850

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 48 03	121 43 28	NW14 11N 2E				JAN 40-DATE					

Plant located 0.3 mi. W of Knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Sacramento River.

TABLE 55
DAILY MEAN DISCHARGE
FREMONT WEIR SPILL TO YOLO BYPASS

STATION NO.	WATER YEAR
A02930	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	64700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	153000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	106000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	72000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	44500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	24800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	9070	0.0	549	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	2170	0.0	33400	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	35	0.0	42500	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	22	0.0	34100	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	9.9	0.0	27600	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	44	0.0	23400	0.0	0.0	0.0	0.0	0.0	12
13	34	0.0	0.0	0.0	287	0.0	22800	0.0	0.0	0.0	0.0	0.0	13
14	121000	0.0	0.0	0.0	2610	0.0	28300	0.0	0.0	0.0	0.0	0.0	14
15	129000	0.0	0.0	0.0	2820	0.0	51000	0.0	0.0	0.0	0.0	0.0	15
16	65800	0.0	0.0	0.0	1640	0.0	71100	0.0	0.0	0.0	0.0	0.0	16
17	22800	0.0	0.0	0.0	483	0.0	72000	0.0	0.0	0.0	0.0	0.0	17
18	1230	0.0	0.0	0.0	8.9	0.0	62800	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	52600	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	44900	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	36000	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	29400	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	20100	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	12100	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	5640	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	1800	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	138	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	10960	0.0	0.0	0.0	17290	0.0	22410	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	129000	0.0	0.0	0.0	153000	0.0	72000	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
ACFT.	674100				960400		1333000						ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
4099	166000			2	2	0620	0.0		10	1	0000	296800

410000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
			294000		12/23/55	JAN 35-DATE					

See Sacramento River at Fremont Weir, East End and Sacramento River at Fremont Weir, West End, for stage records and locations. Elev. of weir crest is 33.50 ft. USED datum; length of crest is 9,120 ft.

TABLE 56
DAILY MEAN DISCHARGE
BUTTE SLOUGH AT MAWSON BRIDGE

STATION NO.	WATER YEAR
A02971	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	35	165	190	812	1690	1460	3270	1780	226	295	257	245	1
2	30	149	156	771	13100	1400	3250	1490	192	265	282	245	2
3	23	136	147	722	25400	1360	2730	1330	175	255	300	260	3
4	14	119	378	687	21200	1290	2160	1180	186	237	230	238	4
5	4.8	98	761	629	14400	1220	1730	1070	189	236	256	231	5
6	0.3	89	728	577	9210	976	1500	975	186	249	301	237	6
7	0.0	106	463	541	5670	664	2020	908	250	239	299	226	7
8	0.0	101	314	578	4140	402	3010	851	274	221	283	213	8
9	3.4	93	274	549	3560	269	7630	977	281	219	289	247	9
10	18	88	254	501	3220	231	8070	1150	276	240	303	272	10
11	25	85	227	429	3070	212	8050	1280	267	245	282	294	11
12	126	88	212	319	3990	196	12000	1310	275	240	252	311	12
13	909	95	203	264	4220	186	17700	1320	290	231	230	359	13
14	4360	98	200	241	4380	172	20600	1290	289	243	230	402	14
15	15100	97	206	229	5640	162	26100	1250	282	240	249	441	15
16	12500	98	281	218	4870	157	39700	E 1210	295	227	268	452	16
17	8640	113	882	210	4170	183	44000	E 1140	295	226	247	454	17
18	5380	123	1340	202	3710	223	40500	E 1020	289	214	243	405	18
19	3970	119	3200	192	3310	212	33200	905	283	233	254	404	19
20	3110	119	4460	175	2980	211	24400	824	271	265	292	420	20
21	2310	104	3990	161	2670	211	18800	775	252	267	278	428	21
22	1690	85	3380	151	2380	197	14800	722	239	244	270	431	22
23	1290	68	2750	146	2130	191	10600	662	229	232	273	449	23
24	995	56	2220	142	1990	203	7160	E 650	240	235	273	438	24
25	726	48	1750	137	1830	250	4740	E 597	268	267	288	416	25
26	502	45	1490	130	1720	260	3840	E 487	289	262	284	393	26
27	355	44	1290	125	1630	242	3270	E 374	292	277	257	376	27
28	273	247	1140	121	1540	560	2790	E 307	242	261	230	352	28
29	242	227	1040	120		1620	2370	E 265	218	257	222	322	29
30	217	238	952	151		2280	2060	*	265	288	248	235	30
31	183		877	742		2890			262	269	239	297	31
MEAN	2033	115	1153	354	5636	648	12400	924	255	246	264	342	MEAN
MAX.	15100	327	4460	812	25400	2890	44000	E 1780	295	295	303	454	MAX
MIN.	0.0	44.0	147	120	1540	157	1500	262	175	214	222	213	MIN.
ACFT.	125000	6825	70920	21760	313000	39850	738000	56790	15150	15150	16240	20350	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE- FEET
1987	44400E	59.09	4	17	0740	0.0		10	5	1040	1439000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 14	121 54 28	SW31 16N 1E		68.9	3/1/40	JAN 39-DATE	NOV 34-MAY 37 #	1934		0.00	USED
							OCT 37-DATE				

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and C. I. usa Weirs.

- Flood season only.

TABLE 57
DAILY MEAN DISCHARGE
WADSWORTH CANAL NEAR SUTTER

STATION NO.	WATER YEAR
A05929	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	126	63	24	41	446	59	220	127	233	76	113	136	1
2	121	61	25	39	230	54	183	171	274	82	108	137	2
3	115	63	24	40	146	51	185	116	295	69	104	131	3
4	116	59	25	39	139	49	137	107	216	83	116	151	4
5	102	59	24	36	120	42	116	137	180	86	123	187	5
6	103	57	22	38	96	47	294	104	176	85	123	203	6
7	104	57	19	50	74	46	309	94	179	104	114	229	7
8	114	59	19	41	65	43	193	121	175	96	103	237	8
9	106	55	17	36	87	42	95	134	204	78	122	205	9
10	103	53	16	33	322	41	103	108	220	82	135	192	10
11	140	51	17	30	164	40	105	164	215	88	149	199	11
12	280	50	16	28	260	37	84	154	196	92	159	241	12
13	1011	48	16	28	685	17	86	98	155	86	159	228	13
14	1145	50	18	27	290	14	778	19	146	112	135	268	14
15	1190	48	24	26	145	29	617	4	139	101	127	280	15
16	829	48	64	26	114	40	337	3	167	81	111	291	16
17	551	46	299	26	89	64	211	3	161	69	86	276	17
18	384	43	250	24	73	57	182	5	150	70	104	248	18
19	260	43	129	24	67	81	177	9	128	80	127	254	19
20	189	42	89	24	101	99	152	40	124	73	88	248	20
21	151	42	68	22	93	105	121	53	115	77	69	224	21
22	116	44	61	22	86	118	103	64	123	74	76	205	22
23	101	40	65	23	80	158	95	93	183	65	75	185	23
24	94	41	64	22	75	141	88	145	186	101	75	142	24
25	84	40	58	22	71	140	78	209	190	104	85	131	25
26	74	38	54	21	68	129	61	234	216	79	102	128	26
27	68	36	47	20	64	223	49	255	165	86	124	136	27
28	66	31	48	21	61	182	123	229	134	88	119	122	28
29	66	28	46	22	287	75	232	232	86	90	120	112	29
30	64	27	48	161	225	108	219	219	67	91	134	105	30
31	64		46	533	209		222			104	125		31
MEAN	259	47.4	56.2	49.8	154	92.5	182	118	173	85.5	113	194	MEAN
MAX.	1190	63.0	299	533	685	287	778	255	295	112	159	291	MAX.
MIN.	64.0	27.0	16.0	20.0	61.0	14.0	49.0	3.0	67.0	65.0	69.0	105	MIN.
AC.FT.	15940	2820	3455	3064	8551	5691	10840	7285	10310	5260	6962	11560	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
127	NR					NR					91738

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E		47.76	10/13/62	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located on downstream side of South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. Maximum gage height listed does not necessarily indicate maximum discharge. This station and one 2.2 mi. downstream are used to determine slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Prior records, January 1939 to March 1961, available at a site approximately 0.3 mile upstream.

TABLE 58

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS
in second-feet

STATION NO.	WATER YEAR
A05922	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	29	29	17	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	28	30	17	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	28	30	17	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34	29	30	17	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	30	29	21	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	30	23	19	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	30	19	19	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	29	15	17	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	29	25	13	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32	29	31	14	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	30	32	11	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33	30	29	11	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	30	17	14	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	30	30	22	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	30	26	22	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	29	21	20	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	29	17	21	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	29	12	19	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	31	19	19	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	30	20	27	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	29	20	27	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	29	18	20	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	30	19	21	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	34	20	9.4	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	33	20	9.4	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	24	31	20	7.4	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	30	30	20	4.7	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	31	29	19	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	30	29	19	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	31	29	19	4.7	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0		31	17		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	27	29.8	22	15	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	34	34	32	27	MAX
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	28	12	0.0	MIN.
AC.FT.								154	1607	1831	1379	914	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 5885
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
8.1	NR				0.0	10	1 0000		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 57	121 44 33	NW27 14N 2E				MAY 54-DATE				0.00	USED

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.

TABLE 59

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

STATION NO.	WATER YEAR
A02963	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	30	22	30	150	38	35	38	47	32	31	45	1
2	17	30	23	28	132	41	35	37	44	30	31	43	2
3	18	28	23	0.0	126	37	33	29	44	31	31	42	3
4	18	28	18	24	106	35	34	32	45	32	31	51	4
5	18	27	18	27	107	33	33	47	38	36	31	49	5
6	18	27	16	28	99	33	33	50	36	35	30	50	6
7	17	26	17	30	69	31	33	46	40	35	27	51	7
8	17	27	11	29	82	28	33	27	39	32	26	50	8
9	17	26	4.2	28	72	28	39	6.2	39	35	30	51	9
10	17	26	27	26	100	33	42	24	39	35	44	50	10
11	17	26	24	26	96	35	39	34	38	35	55	42	11
12	21	26	23	24	94	28	55	50	38	31	48	44	12
13	119	25	22	25	137	27	63	79	38	31	51	51	13
14	188	24	22	26	108	23	98	50	40	32	44	48	14
15	158	24	23	25	94	18	95	29	40	32	42	47	15
16	166	24	22	23	94	19	108	50	40	32	38	45	16
17	101	24	20	24	94	19	93	29	40	32	41	41	17
18	92	24	51	23	70	14	90	38	37	32	44	38	18
19	46	24	67	24	84	15	89	37	29	32	42	38	19
20	62	24	48	24	52	0.0	86	37	21	32	42	38	20
21	64	24	53	24	49	0.0	75	47	28	32	42	39	21
22	72	24	52	24	79	7.8	74	42	28	32	42	39	22
23	49	23	51	22	53	6.5	71	72	26	32	42	35	23
24	49	24	49	24	50	5.8	61	72	33	32	42	30	24
25	29	23	46	22	50	6.1	58	67	32	32	48	29	25
26	38	21	38	23	42	6.2	61	2.1	29	32	47	27	26
27	33	24	42	23	42	5.5	48	36	35	29	52	21	27
28	34	24	37	23	39	44	49	38	33	27	44	25	28
29	19	21	36	21	28	44	49	38	34	28	46	24	29
30	40	21	34	26	33	33	32	46	33	31	45	24	30
31	31	25	44	44	35	35	44	44	31	31	45	24	31
MEAN	52	25	31	25	85	23	58	42	36	32	40	40	MEAN
MAX.	188	30	67	44	150	44	108	79	47	36	55	51	MAX.
MIN.	16	21	4.2	0.0	39	0.0	32	2.1	21	27	26	21	MIN.
AC.FT.	3176	1486	1912	1527	4707	1408	3459	2585	2148	1962	2487	2394	AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - E and *

MEAN DISCHARGE 40.4	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 29251
	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE					

Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This is drainage returned by pumping and gravity.

TABLE 60

DAILY MEAN DISCHARGE

RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH
in second-feet

STATION NO.	WATER YEAR
A02926	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	58	52	92	1294	127	176	155	433	212	104	552	1
2	0.0	61	42	92	703	127	154	159	824	209	105	566	2
3	38	79	47	0.0	513	128	148	188	606	177	178	536	3
4	38	79	47	0.0	346	104	134	110	597	172	160	558	4
5	37	73	58	65	384	96	140	321	518	172	231	573	5
6	50	67	54	69	378	104	124	251	516	169	246	573	6
7	50	67	59	73	355	89	0.0	324	462	171	251	558	7
8	33	67	0.0	77	330	100	163	326	261	173	262	850	8
9	33	61	0.0	65	315	65	163	332	577	136	261	659	9
10	33	61	43	65	560	48	198	586	411	68	269	651	10
11	49	61	97	65	393	22	198	595	433	209	304	742	11
12	536	55	53	65	375	51	188	677	471	236	318	462	12
13	935	55	36	131	728	55	214	372	443	212	334	917	13
14	1690	49	32	0.0	428	62	649	501	442	187	316	421	14
15	1380	49	48	49	362	64	473	505	131	162	238	737	15
16	1460	49	92	55	363	64	425	507	663	140	219	561	16
17	778	43	211	47	363	98	345	451	361	124	222	600	17
18	479	43	152	49	379	37	309	420	367	112	244	574	18
19	364	37	202	41	303	57	305	525	360	91	242	531	19
20	311	37	193	43	266	47	227	508	354	91	231	466	20
21	310	37	172	41	245	47	353	568	230	110	231	318	21
22	247	37	211	43	221	55	228	546	271	152	380	534	22
23	215	37	175	41	186	64	233	635	497	128	354	261	23
24	166	37	146	39	188	264	236	637	473	118	390	253	24
25	151	37	139	39	176	31	237	639	522	121	383	219	25
26	128	37	124	0.0	165	40	239	640	536	141	272	189	26
27	121	49	113	31	142	142	236	640	522	143	360	169	27
28	117	36	110	33	127	251	188	643	514	113	630	59	28
29	97	160	107	62	197	197	208	644	497	106	536	239	29
30	94	68	95	340	172	121	121	665	99	109	529	119	30
31	92		91	740	175			1039		111	536		31
MEAN	324	56.2	96.8	82.3	378	96.2	234	487	446	149	301	482	MEAN
MAX.	1690	160	211	740	1294	264	649	1039	824	236	630	917	MAX.
MIN.	0.0	36.0	0.0	0.0	127	22.0	0.0	110	99.0	68.0	104	59.0	MIN.
AC.FT.	19900	3344	5952	5062	21000	5917	13910	29970	26560	9154	18520	28660	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY		TIME
260	NR						0.0		10	1	0000	187949

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 47 05	121 39 18	NE20 11N 3E		41.1	3/1/40	APR 30-OCT 38 8					
						JAN 39-DATE					

Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.

8 - Irrigation season only.

TABLE 61
DAILY MEAN DISCHARGE
SACRAMENTO SLOUGH AT SACRAMENTO RIVER
in second-feet

STATION NO.	WATER YEAR
A02925	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	288	A	419	1350	F	2630	F	F	1260	732	582	1030	1
2	308	A	168	1250	F	2310	F	F	1660	714	542	1020	2
3	281	A	A	1010	F	2020	F	F	879	862	607	1030	3
4	230	A	A	942	F	1970	F	2050	1020	693	683	1030	4
5	249	443	685	842	F	1800	* 5650	2020	1280	700	756	1060	5
6	260	463	2730	910	F	1680	2510	1800	1310	680	773	1110	6
7	247	455	2560	805	F	1530	F	1640	1150	680	726	1140	7
8	221	412	1630	741	F	1260	F	1860	956	602	730	1500	8
9	174	369	743	693	F	1020	F	1710	1330	672	694	1450	9
10	121	389	323	751	F	563	F	1720	1060	653	756	1120	10
11	A	368	306	655	F	401	F	1560	1210	626	862	1410	11
12	A	405	296	634	F	452	F	1660	1260	650	924	1480	12
13	F	360	195	590	F	302	F	1810	1200	707	936	1400	13
14	F	312	A	546	F	A	F	2320	1160	687	883	1450	14
15	F	272	A	A	F	195	F	2930	1080	660	831	1900	15
16	F	270	A	493	F	541	F	2830	1160	582	816	1470	16
17	F	301	A	372	F	305	F	2460	939	568	809	1600	17
18	F	224	F	398	F	A	F	2010	1090	571	790	1610	18
19	F	176	F	390	F	A	F	1810	1010	574	722	1550	19
20	F	255	F	379	F	A	F	1820	974	599	743	1420	20
21	6700	284	F	372	F	199	F	1730	860	650	844	* 1300	21
22	6900	209	F	328	F	200	* F	2050	791	684	747	1320	22
23	6180	209	F	329	5270	675	F	2480	813	699	775	1010	23
24	5050	113	3880	328	4680	570	F	2650	887	648	802	1040	24
25	3390	* 205	3170	354	* 4260	245	F	2560	917	628	816	1000	25
26	2390	203	* 5170	287	3790	513	F	2090	966	716	882	969	26
27	1800	251	4500	284	3270	504	F	1840	1000	684	935	819	27
28	1320	A	3400	321	2900	A	F	1720	1010	679	997	731	28
29	867	A	2530	291	A	F	F	1650	963	565	1010	766	29
30	442	A	1930	532	F	F	F	1600	838	616	966	588	30
31	A	A	1550	A	F	F	F	1610	582	582	1020	1020	31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	1068	657	805	1211	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	1660	862	1020	1900	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	791	565	542	588	MIN.
ACFT.	NR	NR	NR	NR	NR	NR	NR	NR	63540	40390	49500	72050	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE- FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 46 52	121 38 27	SE21 11N 3E				JUN 24-OCT 39 # JAN 40-DATE	APR 45-DEC 46 # APR 47-DATE				

Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 29.0[±]) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

A - An undetermined amount of negative flow.
F - Flooded.
- Irrigation season only.

TABLE 62

DAILY MEAN DISCHARGE

LITTLE LAST CHANCE CREEK ABOVE FRENCHMAN DAM
in second-feet

STATION NO.	WATER YEAR
A5554D	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	5.1*	4.3	NR	NR	NR*	NR	NR	NR	NR	NR	NR	1
2	0.0	4.8	6.2	NR*	NR	NR	NR	NR	NR	NR	NR	NR	2
3	0.0	4.6	6.4*	NR	NR	NR	NR	NR	NR	NR	NR	NR	3
4	0.0	4.5	4.9	NR	NR	NR	NR	NR	NR	NR	NR	NR	4
5	0.0	4.0	4.6E	NR	NR	NR	NR	NR	NR	NR	NR	NR	5
6	0.0	3.9	4.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	0.0	3.8	4.1E	NR	NR	NR	NR	NR	NR	NR	NR	NR	7
8	0.0	3.6	3.8E	NR	NR	NR	NR	NR	NR	NR	NR	NR	8
9	0.0	5.0	3.9E	NR	NR	NR	NR	NR	NR	NR	NR	NR	9
10	0.0	5.5	3.8E	NR	NR	NR	NR	NR	NR	NR	NR	NR	10
11	0.1	4.3	3.7E	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	2.0	3.9	3.8E	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	193 #	3.8	4.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	13
14	72 F	3.7	4.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	14
15	28	3.5	8.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	15
16	22	3.7	17	NR	NR	NR	NR	NR	NR	NR	NR	NR	16
17	16	3.3	14	NR	NR	NR	NR	NR	NR	NR	NR	NR	17
18	13	3.7	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	18
19	11	3.2	11	NR	NR	NR	NR	NR	NR	NR	NR	NR	19
20	11	3.4	10 E	NR	NR	NR	NR	NR	NR	NR	NR	NR	20
21	11	3.4	10 E	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	9.4	3.5	9.6F	NR	NR	NR	NR	NR	NR	NR	NR	NR	22
23	8.7	3.4	8.6F	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	8.2	3.0	7.9E	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	7.8	3.0	6.0E	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	7.2	3.7	4.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	6.1	7.3	4.0E	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	5.8	4.8	4.0E	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	5.7	3.8E	4.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	29
30	5.5	3.8E	4.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	30
31	5.4		4.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	31
MEAN	14.5	4.0	6.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	193 F	7.3	17.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.0	3.0	3.7E	NR	NR	NR	NR	NR	NR	NR	NR	NR	MIN.
AC.FT.	890	240	409	NR	NR	NR	NR	NR	NR	NR	NR	NR	AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
NR	NR				NR				NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 57 19	120 12 37	NW8 24N 16E	574E	8.64	10/13/62	NOV 61-DEC 62	NOV 61-DEC 62	1961		5600.00	USCGS

Station located 0.7 mi. below mouth of Lookout Creek, 4.3 mi. N of Frenchman Dam. Tributary to Frenchman Reservoir. Stage-discharge relationship affected at times by ice. Station discontinued Jan. 1, 1963.

TABLE 03

DAILY MEAN DISCHARGE

FRENCHMAN CREEK NEAR CHILCOOT

in second-feet

STATION NO.	WATER YEAR
A55530	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	2.7*	2.1	NP	NP	NR*	NR	NR	NR	NR	NR	NR	1
2	0.3	2.5	2.7	NR*	NR	NR	NR	NR	NR	NR	NR	NR	2
3	0.3	2.5	2.8*	NP	NR	NR	NR	NR	NR	NR	NR	NR	3
4	0.3	2.3	2.6	NP	NR	NR	NR	NR	NR	NR	NR	NR	4
5	0.3*	2.3	2.5	NP	NR	NR	NR	NR	NR	NR	NR	NR	5
6	0.3	2.2	2.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	6
7	0.3	2.3	2.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	7
8	0.3	2.2	2.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	8
9	0.3	2.5	2.2E	NR	NR	NR	NR	NP	NR	NR	NR	NR	9
10	0.4	2.4	2.2F	NR	NR	NR	NR	NR	NR	NR	NR	NP	10
11	0.7	2.2	2.2F	NR	NR	NR	NR	NR	NR	NR	NR	NR	11
12	1.2	2.2	2.2F	NR	NR	NR	NR	NR	NR	NR	NR	NR	12
13	7.3 #	2.1	2.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	13
14	18 F	2.1	2.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	14
15	9.1	2.0	4.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	15
16	7.6	2.1	7.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	16
17	7.3	2.0	7.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	17
18	7.8	2.0	7.8	NP	NR	NR	NR	NR	NR	NR	NR	NR	18
19	7.8	1.8E	7.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	19
20	7.5	1.9	6.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	20
21	6.8	1.8	6.1F	NR	NR	NR	NR	NR	NR	NR	NR	NR	21
22	6.2	1.9	5.8F	NP	NR	NR	NR	NR	NR	NR	NR	NR	22
23	5.4	1.8	5.4F	NR	NR	NR	NR	NR	NR	NR	NR	NR	23
24	5.0	1.7	4.5F	NR	NR	NR	NR	NR	NR	NR	NR	NR	24
25	4.3	1.7	4.0E	NR	NR	NR	NR	NR	NR	NR	NR	NR	25
26	4.0	2.1	3.5E	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	3.6	2.7	3.5F	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	3.3	2.2	4.5F	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	3.3	1.8F	5.0F	NR	NR	NR	NR	NR	NR	NR	NR	NR	29
30	2.9	1.8F	5.0F	NR	NR	NR	NR	NR	NR	NR	NR	NR	30
31	2.8		5.0F	NR	NR	NR	NR	NR	NR	NR	NR	NR	31
MEAN	6.2	2.1	4.0	NR	NR	NR	NR	NR	NR	NR	NR	NR	MEAN
MAX.	73.0F	2.7	7.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.3	1.7	2.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	MIN.
ACFT.	378	127	249	NR	NR	NR	NR	NR	NR	NR	NR	NR	ACFT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 † - E and *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET	
NR		NR					NR						NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 54 01	120 14 09	SW30 24N 16E	255E	7.30E	10/13/62	NOV 61-DEC 62	NOV 61-DEC 62	1961		5625.00	USCGS

Station located 2.5 mi. W of Frenchman Dam, 8.8 mi. NW of Chilcoot. Tributary to Frenchman Reservoir.
 Stage-discharge relation at times affected by ice. Station discontinued Jan. 1, 1963.

TABLE 64

DAILY MEAN DISCHARGE

LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM

in second-feet

STATION NO.	WATER YEAR
A55525	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	1.9	1.9	1.9	2.8*	1.9*	1.9	2.0	89	1.9	9.9	21	1
2	0.2	1.9	1.9	1.9*	2.3	1.9	1.9	2.0	100	1.9	38	15	2
3	0.2	1.9	1.9*	1.9	2.2	1.9	1.9	2.0	100	1.9	74	10	3
4	0.2	1.9	1.9	1.9	2.2	1.9	1.9	2.0	123	1.9	80	8.5	4
5	0.2*	1.9	1.9	1.9	2.2	1.9	1.9	2.0	134	1.9	90	7.6	5
6	0.2	1.9	1.9	1.9	2.2	1.9	2.1	2.0	141	3.2	96	5.4	6
7	0.2	1.9	1.9	1.9	2.2	1.9	2.2	2.0	126	5.1	103	1.9	7
8	0.2	1.9	1.9	1.9	2.2	1.9	2.0	2.0	116	5.1	106	1.9	8
9	0.2	1.9	1.9	1.9	2.2	1.9	2.0	2.0	88	5.1	106	1.9	9
10	0.2	1.9	1.9	1.9	2.2	1.9	2.0	2.0	58	5.1	106	1.9	10
11	0.2	1.9	1.9	1.9	2.2	1.9	2.0	2.2	40	5.1	106	1.9	11
12	0.9	1.9	1.9	1.9	2.2	1.9	2.0	2.2	40	12	106	1.9	12
13	2.4	1.9	1.9	1.9	2.2	1.9	2.0	2.2	40	15	106	1.9	13
14	2.2	1.9	1.9	1.9	2.0	1.9	2.0	2.2	40	15	103	1.9	14
15	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.2	40	15	106	1.9	15
16	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.2	40	15	106	1.9	16
17	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.2	40	15	106	1.9	17
18	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.2	40	15	106	1.9	18
19	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.2	30	15	93	1.9	19
20	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.7	18	15	85	1.9	20
21	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	15	15	71	1.9	21
22	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	14	15	65	1.9	22
23	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	14	15	65	1.9	23
24	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	14	13	65	1.9	24
25	1.9	1.9	1.9	1.9	1.9	1.9	2.0*	2.0	12	10	65	1.9	25
26	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	3.8	10	65	1.9	26
27	1.9	1.9	1.9	1.9	1.9	1.9	2.0	31	1.9	10	65	1.9	27
28	1.9	1.9	1.9	1.9	1.9	1.9	2.0	45	1.9	10	65	1.9	28
29	1.9	1.9	1.9	1.9	1.9	1.9	2.0	63	1.9	10	65	1.9	29
30	1.9	1.9	1.9	2.1	1.9	1.9	2.0	77	1.9	9.9	36	1.9	30
31	1.9*	1.9	1.9	3.1	1.9	1.9	1.9	77	1.9	9.9	21	1.9	31
MEAN	1.3	1.9	1.9	1.9	2.1	1.9	2.0	11.2	50.8	9.6	80.0	3.8	MEAN
MAX.	2.4	1.9	1.9	3.1	2.8	1.9	2.2	77.0	141	15.0	106	21.0	MAX.
MIN.	0.2	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	9.9	1.9	MIN.
ACFT.	80	113	117	120	115	117	119	689	3022	591	4919	224	ACFT.

WATER YEAR SUMMARY

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 ‡ - E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
14.1	160	3.89	6	5	1310	0.0		8	14	1040	10220

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 53 36	120 11 17	NE33 24N 16E	160	3.89	6/5/63	NOV 61-DATE	NOV 61-DATE	1961		5480.00	USCGS

Station located at toe of Frenchman Dam, 7.1 mi. N of Chilcoot. Flow regulated by Frenchman Reservoir. At times, extremely heavy precipitation off the face of the dam, which enters above the measuring weir, contributes additional flow.

TABLE 65

DAILY MEAN DISCHARGE
LITTLE LAST CHANCE CREEK NEAR CHILCOOT

STATION NO.	WATER YEAR
A55520	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	1.7	2.2	1.9E	4.0 #	2.5#	3.0E	5.4	94	1.5	9.2	18	1
2	0.3	1.7	2.2	1.9#	2.0 E	2.5E	3.0E	5.1	107	1.5E	35	14	2
3	0.3	1.7	2.2*	2.1E	1.2 E	2.5E	3.0E	4.9	107	1.5E	79	8.0E	3
4	0.3	1.8	2.2	2.5E	8.0E	2.5E	3.0E	4.4	121	1.4E	85	7.0E	4
5	0.3*	1.8	2.2	2.0E	7.0E	2.5E	4.3	4.2	127 *	1.4	93	6.0E	5
6	0.3	1.9	2.2	1.9E	6.0E	2.5E	11	3.9	136	2.0	100	5.0E	6
7	0.3	2.0	2.2	1.9E	5.5E	2.5E	16	3.7	126	4.8	106 *	1.5E	7
8	0.4	2.4	2.2	1.9E	5.0E	2.5E	13	4.1	117	4.7	111	1.5E	8
9	0.4	1.8	2.2	1.9E	4.5E	2.5E	9.7	4.0	91	4.7	110	1.5E	9
10	0.6	1.8	2.2	1.9E	6.0E	2.5E	8.1	3.9	62	4.8	107	1.5E	10
11	0.8	1.8	2.2	1.9E	5.0E	2.5E	7.0	3.6	42	4.6	107	1.5E	11
12	1.5	1.8	2.2	1.9E	4.0E	2.5E	6.1	3.7	40	11	104	2.0E	12
13	2.4	1.8	2.1	1.9E	4.5E	2.5E	5.4	3.7	40	15	104	2.0E	13
14	1.2	1.8	2.0	1.9E	2.5E	3.0E	5.5	3.6	40	16	101	1.5	14
15	6.4	1.8	2.5	1.9E	3.0E	3.0E	5.6	3.4	40	16	106	1.5	15
16	4.8	1.7	3.3	1.9E	2.8E	3.0E	5.5	3.4	42	16	107	1.6	16
17	3.9	1.8	3.2	1.9E	2.7E	3.0E	5.3	3.1	42	16	107	1.6	17
18	3.2	1.8	3.2	1.9E	2.6E	3.0E	5.3	3.0	42	17	107	1.7	18
19	2.6	1.8	3.0	1.9E	2.6E	3.0E	6.2	2.9	32	17	98	2.2	19
20	2.4	1.8	3.0	1.9E	2.6E	3.0E	6.2	3.4	17	17	89	1.8	20
21	2.3	1.8	3.0	1.9E	2.5E	3.0E	6.1	2.6	15	17	75	1.8	21
22	2.1	1.8	2.8	1.9E	2.5E	3.0E	7.2	2.7	13	17	67	1.6	22
23	2.0	1.8	2.2E	1.9E	2.5E	3.0E	8.5	2.8	14	16	67	1.6	23
24	2.0	1.8	1.9E	1.9E	2.5E	3.0E	9.0	2.6	13	13	67	1.6	24
25	2.0	1.9	1.9E	1.9E	2.5E	3.0E	8.5*	2.5	13	9.2	66	1.7	25
26	1.7	1.9	1.9E	1.9E	2.5E	3.0E	7.7	2.5	4.4	9.2	64 *	1.5	26
27	1.7	2.3	1.9E	1.9E	2.5E	3.0E	7.0	3.1 *	1.7	9.2	64	1.6	27
28	1.9	2.3	1.9E	1.9E	2.5E	3.0E	6.8	5.1	1.6	9.0	64	1.4	28
29	2.0	2.2	1.9E	1.9E	2.5E	3.0E	6.6	6.5	1.6	9.2	64	1.4	29
30	2.0	2.2E	1.9E	6.4E	2.5E	3.0E	6.0	8.3	1.6	9.2	38	1.5	30
31	2.0*	1.9E	1.9E	3.0 E	2.5E	3.0E	8.3	8.3	9.2	9.2	18	1.5	31
MEAN	2.8	1.9	2.3	3.0	6.0	2.8	6.9	13.1	51.5	9.7	81.3	3.2	MEAN
MAX.	24.0	2.4	3.3	30.0E	40.0E	3.0E	16.0	83.0	136	17.0	111	18.0	MAX.
MIN.	0.3	1.7	1.9E	1.9E	2.5E	2.5E	3.0E	2.5	1.6	1.4E	9.2	1.4	MIN.
ACFT.	172	112	143	183	332	172	408	805	3062	597	4997	192	ACFT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - E and *

MEAN DISCHARGE 15.4	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 11180
	DISCHARGE 8.0E	GAGE HT. 4.13E	MO 2	DAY 1	TIME	DISCHARGE NR	GAGE HT. ONLY	MO DAY TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R M.O.B.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 52 01	120 10 13	SE3 23N 16E				4/40-5/54 @ 7/54-DATE	4/40-5/54 @ 7/54-DATE	1959		0.00	LOCAL

Station located 300 ft. below county road bridge, 5.1 mi. N of Chilcoot. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 84.2 sq. mi.

@ - Maintained by watermaster service for irrigation season only.

TABLE 66
DAILY MEAN DISCHARGE

SMITHNECK CREEK NEAR LOYALTON

in second-feet

STATION NO.	WATER YEAR
A55620	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.7	6.6	6.4	5.2 E	111	12 E	34	52	52	8.0	5.2	4.8	1
2	3.7	6.9	7.7	5.2 E	77	11 E	35	56 *	46	8.0	5.4	4.4	2
3	3.9	6.8	8.4	5.7	54	10 E	36	57	45	8.5	5.4	4.5	3
4	3.9 *	6.7	7.0	5.6 E	48	10 E	40	59	38	7.7	5.9	4.4	4
5	4.2	7.0	6.4	5.4 E	64	9.0 E	44	59	45	7.8	6.0	5.6	5
6	4.1	6.8	6.4	5.4 E	60	10 #	60	57	37	8.3	4.9	5.5	6
7	4.5	6.5	6.3	5.4 E	58	11	69	48	30	8.1	4.3	5.1	7
8	4.6	6.4	6.4	5.4 E	56	11	60	50	26	7.7	5.1	5.1	8
9	4.7	7.0	6.5	5.2 E	54	9.6	48	51	21	6.8	5.3	5.2	9
10	5.3	7.9	6.3	5.0 E	54	8.5	55	41	31	7.0	5.1	5.0	10
11	6.1	6.7	6.3	4.0 E	47	7.5	32	40	21	6.8	5.1	4.9	11
12	9.7	6.5	6.1	3.5 E	41	7.6	31	38	16	6.6	4.5	6.0	12
13	7.3 E	6.3	5.9	4.0 E	45	6.9	32	35	15	7.2	4.1	7.0	13
14	6.4 E	6.4	6.4	4.5 E	37	7.2	32	34	17	7.5	4.4	5.6	14
15	3.5	6.3	7.2	5.0 E	32	7.8	34	38	18	6.1 *	4.4	4.7	15
16	2.2	6.2	11	5.0 E	31	8.1 E	44 *	39	14	6.0	4.4 *	4.6	16
17	1.7 *	6.3	8.4	5.0 E	27	8.1	42	43	16	5.5	4.6	5.2	17
18	1.4	6.2	8.2	5.0 E	24	8.1	44	44	12 *	6.8	4.6	5.7	18
19	1.3	6.1 *	7.4 *	4.5 E	21	7.4	44	47	10	5.9	4.4	6.7	19
20	1.1	6.0	6.9	5.4 E	19	9.6	46	46	9.6	6.0	4.9	5.9	20
21	1.0	6.1	6.7 E	6.3 E	17 E	11	46	41	10	6.5	5.3	5.0	21
22	9.2	6.3	5.7 E	6.3 E	16 E	12	46	43	11	6.1	5.1	4.6	22
23	9.2	5.9	5.2 E	6.3 E	15 E	11	43	46	12	5.9	5.1	4.6	23
24	8.6	5.8	4.7 E	6.3 E	15 E	12	40	49	12	5.5	5.2	4.1	24
25	8.0	5.8	3.5 E	6.3 E	15 E	14	32	42	11	5.5	5.1	4.5 *	25
26	7.2	6.4	3.5 E	6.3 E	14 E	15	35	35	9.2	6.1	5.0	4.8	26
27	7.1	7.0	4.5 E	6.3 E	14 E	21	36	29	8.6	5.7	4.5	4.3	27
28	6.7	6.8	4.8 E	6.3 E	13 E	26	36	43	8.7	5.7	4.3	5.0	28
29	6.8	6.0 E	5.0 E	6.8		29	39	57	10	5.9	4.5	4.1	29
30	6.8	5.5 E	5.0 E		37 E	29	40	54	9.6	6.2	4.5	4.1	30
31	6.7		5.0 E	206 E		29		51		5.3	5.0	4.0	31
MEAN	12.7	6.4	6.3	12.9	38.5	12.6	41.8	45.9	20.7	6.7	4.9	5.0	MEAN
MAX.	73.0	7.9	11.0	206 E	111	29.0	69.0	59.0	52.0	8.5	6.0	7.0	MAX.
MIN.	3.7	5.5 E	3.5 E	3.5 E	13.0 E	6.9	31.0	29.0	8.6	5.3	4.1	4.0	MIN.
ACFT.	781	383	387	793	2140	772	2489	2824	1233	411	302	299	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	
17.7	346 E	5.05	1	31	1550	NR					12810

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 37 52	120 11 54	NW33 21N 16E				4/40-7/54 # 8/54-DATE	4/40-7/54 # DATE	1954		0.00	LOCAL

Station located 100 ft. W of county road, 4.0 mi. SE of Loyalton. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 31.6 sq. mi.

- Maintained by watermaster service for irrigation season only.

TABLE 67
DAILY MEAN DISCHARGE
MILLER CREEK NEAR SATTLEY

STATION NO.	WATER YEAR
A55720	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.7	6.6	6.3	6.6	154 E	12 *	9.8	23	42	22	11	7.3	1
2	3.7	7.1	17	6.4	64 E	11	9.4	24 *	42	20	11	7.2	2
3	3.7	7.0	20 *	6.3*	49	10 E	10	26	37	20	11	7.0	3
4	3.7*	6.6	13	6.2	42	9.5E	11	28	37	19	11	7.0	4
5	3.7	6.2	11	5.9	37	9.0E	13	36	36	19	10	7.4	5
6	3.7	5.8	9.8	5.8	31	11	28	35	35	19	10	7.4	6
7	3.3	5.4	9.2	5.8	27	11	26	35	33	19	9.7	7.3	7
8	3.3	5.3	8.9	5.5	24	11	17	32	33	19	9.8	7.2	8
9	3.1	6.9	8.5	5.5	21	11	15	27	33	18	10	7.1	9
10	6.3	9.7	8.3	5.5	21	11	13	25	35	17	9.7	6.3	10
11	18	6.0	7.8	4.0E	19	10	13	22	32	16	9.7	6.3	11
12	45 F	5.5	7.8	2.5E	18	10	13	22	32	16	9.6	9.2	12
13	122 F	5.5	7.9	2.8E	19	10	14	22	31	16	9.3	7.9	13
14	38 F	5.7	8.7	3.2E	17	9.6	19	24	34	15	9.2	6.8	14
15	18	5.4	22	3.5E	15	11	15	26	32	15 *	8.9	6.5	15
16	15	5.4	21	3.5E	15	11	14 *	30	38 E	15	8.8*	6.4	16
17	13 *	5.1	16	3.5E	15	10	13	33	35 *	15	8.7	6.4	17
18	12	5.1	14	3.5E	14	9.7	13	35	33	15	8.1	6.6	18
19	11	4.9*	12	3.0E	14	10	12	38	31	14	8.1	8.3	19
20	11	4.9	11	3.5E	14	11	13	39	29	14	8.2	7.1	20
21	11	5.0	10	4.0E	14	10	12	43	29	14	7.9	6.7	21
22	10	5.0	9.8	4.4	13	11	12	40	29	13	8.0	6.4	22
23	9.5	5.0	9.1	4.5	13	11	12	42	29	13	8.0	6.2	23
24	9.2	5.3	7.3E	4.3	13	10	12	42	27	13	8.0	6.0	24
25	9.0	5.3	5.0E	4.3	13	9.8	12	41	26	13	8.1	5.9*	25
26	9.0	5.9	5.0E	4.2	13	9.9	11	39	25	13	8.0	5.8	26
27	8.3	6.7	5.5E	4.1	13	11	11	40	24	12	7.8	5.4	27
28	8.0	5.9	6.0E	3.9	12	11	14	54 E	24	12	7.8	5.5	28
29	7.7	5.5E	6.8E	4.1	11	11	17	54 E	23	12	7.8	5.2	29
30	7.4	5.0E	7.0E	14 E	10	10	21	47	23	12	7.7	5.2	30
31	7.2		6.9	200 E	10	10		43		11	7.2		31
MEAN	14.1	5.8	10.3	11.1	26.2	10.4	14.2	34.4	31.6	15.5	9.0	6.7	MEAN
MAX	122 F	9.7	22.0	200 E	154 E	12.0	28.0	54.0E	42.0	22.0	11.0	9.2	MAX.
MIN.	3.1	4.9	5.0E	2.5E	12.0	9.0E	9.4	22.0	23.0	11.0	7.2	5.2	MIN.
AC.FT.	868	347	632	683	1456	642	843	2116	1882	954	552	399	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE 15.7	MAXIMUM				MINIMUM				TOTAL ACRE-Feet 11370
	DISCHARGE 339E	GAGE HT. 4.33	MO 2	DAY 1	TIME 0050	DISCHARGE NR	GAGE HT. NR	MO NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 36 03	120 25 19	NE 9 20N 14E	339E	4.33	2/1/63	5/40-9/54 ⊕ 9/54-DATE	5/40-9/54 ⊕ 9/54-DATE	1954	1958	0.00	LOCAL
								1958		-1.00	LOCAL

Station located 0.2 mi. W of State Highway 89, 1.0 mi. S of Sattley. Tributary to Middle Fork Feather River. Stage-discharge relationship at times affected by ice. Drainage area is 7.6 sq. mi.

⊕ - Maintained by watermaster service for irrigation season only.

TABLE 68

DAILY MEAN DISCHARGE
MIDDLE FORK FEATHER RIVER NEAR PORTOLA

STATION NO.	WATER YEAR
A55420	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	63	131	70 E	6830 E	161 *	500 E	637	197	41	1.5	0.9	1
2	0.0	61	171	70 F	6630 E	151	400 F	628	215	42	1.3	1.1	2
3	0.0	61	205	67 #	4570 E	142	373	623	202	57	1.2	0.8	3
4	0.0*	57	156 *	67 F	2590 E	131	410	618	196	51	1.1	0.9	4
5	0.0	55	254	67 F	1750 E	120	465	609	210	38	1.1	1.1	5
6	0.0	54	266	64 F	1370	138	1170	595	202	29	1.1	1.0E	6
7	0.0	51	199	60 F	1090	152	1980	549	172	26	1.0	1.0E	7
8	0.0	52	147	56 F	841	152	3010	565	158	21	1.2	1.0E	8
9	0.0	56	121	52 F	715	155	2290	613 *	148	16	1.4	1.0E	9
10	0.0	73	107	45 E	695	143	1440	623	178	14	1.2	1.0E	10
11	0.1	62	99	38 E	747	133	1060	646	162	12	1.0	0.9	11
12	76	63	91	30 E	698	123	940	576	141	11	0.8	1.1	12
13	1060 F	70	90	35 F	707	108	783	531	133	11	0.9	1.6	13
14	2410 #	71	85	38 F	664	105	789	473	126 *	9.8	1.1	1.1	14
15	3580 F	70	140	38 E	637	106	770	424	119	8.2	1.1	1.0	15
16	1800 F	63	359	40 E	520	115	927 *	368	111	7.1	0.9*	1.0	16
17	829	58	369	40 E	432	136	1100	327	104	6.3*	1.0	1.1	17
18	496 *	59	517	40 E	375	138	996	296	101	5.9	1.2	1.3	18
19	355	57	490	38 E	341	139	875	279	95	5.7	1.1	2.6	19
20	281	56	353	38 F	322	148	833	250	90	5.2	1.1	2.0	20
21	221	56	273	38 E	298	160	1160	176	90	5.3	1.0	2.0	21
22	173	56	223	38 E	273	165	1180	208	92	4.4	1.2	2.9	22
23	146	57	191	38 E	248	175	1130	225	90	3.6	1.2	2.8	23
24	130	54	150 F	38 F	231	179	1040	242	81	3.0	1.1	2.6	24
25	115	51	100 F	38 E	216	191	833	214	68	3.2	1.0	1.9*	25
26	105	52	90 F	38 E	202	205	684	220	63	3.5	0.9	1.2	26
27	98	75	80 F	45 E	186	400 E	663	217	58	3.8	1.0	1.4	27
28	88	101	80 E	65 E	170	550 E	718	211	51	3.7	1.0	1.3	28
29	78	128	80 E	80 E		600 E	652	230	46	2.8	1.0	1.1	29
30	71	148	80 E	187 E		750 E	633	202	45	2.2	0.9	1.6	30
31	66 *		75 F	3110 E		600 E		201		1.5	1.2		31
MEAN	393	66.3	186	152	1227	215	994	406	125	14.7	1.1	1.4	MEAN
MAX.	3580 F	148	517	3110 E	6830 E	750 E	3010 E	646	215	57.0	1.5	2.9	MAX.
MIN.	0.0	51.0	75.0E	30.0E	170	105	373	176	45.0	1.5	0.8	0.8	MIN.
ACFT.	24160	3947	11450	9338	68130	13230	59120	24940	7426	901	67	84	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 222800
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
308	7550E	9.46	2	1	2130	0.0		10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 49 13	120 26 24	NE29 23N 14E				NOV 55-DATE	NOV 55-DATE	1955		0.00	LOCAL

Station located S of U. S. Highway 40A, 1.8 mi. NE of Portola. Stage-discharge relationship at times affected by ice..

TABLE 69

DAILY MEAN DISCHARGE
SPANISH CREEK NEAR QUINCY

in second-feet

STATION NO.	WATER YEAR
A54250	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	54	96	85	5040 E	82 E	354	364	160 E	43 E	NR	NR	1
2	12	53	540	80	1510	80 E	284	393	140 E	43 E	NR	NR	2
3	12 *	50	785	79	830	76 E	270	419	130 E	38 E	NR	NR	3
4	12	46	385	77	591	72 E	273	418	115 E	40 E	NR	NR	4
5	13	45	271	70	464	72 E	559	423	115 E	40 E	NR	NR	5
6	12	46	210	68	344	70 E	2880	406	110 E	35 E	NR	NR	6
7	13	42	171	66	293	75 E	2070	427	100 E	35 E	NR *	NR	7
8	12	43	146	65	277	72 E	809	401	92 E	35 E	NR	NR	8
9	13	59	126	62	250 E	76 E	532	343	85 E	NR	NR	NR	9
10	45	92	113	63	220 E	70 E	435	301	95 E	NR	NR	NR	10
11	308	62	100	54 E	210 E	60 E	377	280	90 E	NR	NR	NR	11
12	2630	53	90	50 E	200 E	56 E	349	269	82 E	NR	NR	NR	12
13	4760	48	82	45 E	279	52 E	389	253	76 E	NR	NR	NR	13
14	1730 *	54	77	42 E	261	56 E	1310	249 *	70 E	NR	NR	NR	14
15	602	50	364	42 E	210 E	60 E	914	250 E	62 E	NR	NR	NR	15
16	353	46	815	42 E	190 E	64 E	583	260 E	64 E	NR	NR	NR	16
17	245	43	815	42 E	170 E	64 E	446	270 E	72 E	NR	NR	NR	17
18	180 *	43	525	42 E	150 E	60 E	397	280 E	66 E	NR	NR	NR	18
19	153	42	350	42 E	140 E	60 E	371	290 E	60 E	NR	NR	NR	19
20	135	41 *	259	42 E	135 E	68 E	333	300 E	54 E	NR	NR	NR	20
21	121	37	216 *	42 E	125 E	80 E	311	300 E	52 E	NR	NR	NR	21
22	111	34	186	42 E	118 E	85 E	306 *	270 E	50 E	NR	NR	NR	22
23	98	33	166	42 #	110 E	140 E	302	260 E	80 E	NR	NR	NR	23
24	91	32	146	41 E	105 E	120 E	296	250 E	70 E	NR	NR	NR *	24
25	82	30	129	40 E	100 E	110 E	293	280 E	52 #	NR	NR	NR	25
26	75	205	115	39 E	95 E	200 E	286	210 E	50 E	NR	NR	NR	26
27	70	394	108	38 E	90 E	650 E	290	200 E	48 E	NR	NR	NR *	27
28	64	198	103	37 E	85 E	696	301	180 E	48 E	NR	NR *	NR	28
29	64	136	93	37		504	327	190 E	50 E	NR	NR	NR	29
30	61	108	91	632		445	354	180 E	48 E	NR	NR	NR	30
31	57		87	6050 E		445		190 E		NR	NR	NR	31
MEAN	392	74.0	250	265	450	156	567	294	79.5	NR	NR	NR	MEAN
MAX.	4760	394	815	6050 E	5040 E	696	2880	427	160 E	NR	NR	NR	MAX.
MIN.	12.0	30.0	77.0	37.0E	85.0E	52.0E	270	180 E	48.0E	NR	NR	NR	MIN.
AC.FT.	24090	4401	15390	16260	24980	9560	33720	18060	4733	NR	NR	NR	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record

* - Discharge measurement or observation
of no flow made on this day.

- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
NR	NR						NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 56 43	121 00 20	NW17 24N 9E				AUG 54-JUL 63	AUG 54-JUL 63	1956		0.00	LOCAL

Station located on north edge of Bucks Lake Road, 3.2 mi. W of Quincy. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice. Record listed is not considered to have the same degree of accuracy as other records published in this report. Drainage area is 69.1 sq. mi. Station discontinued July 9, 1963.

TABLE 70
DAILY MEAN DISCHARGE
INDIAN CREEK NEAR BOULOER CREEK GUARD STATION
in second-feet

STATION NO.	WATER YEAR
A54470	1963

DAY	OCT.	NOV	OEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	57	34	23 E	800 E	75	80	241	103	36	6.6	6.2	1
2	1.3	53	89	23 E	400 E	73	72	269	93	34	6.5	5.7	2
3	1.2*	48	179	27 E	300 E	69	75	279	89	34	7.3	5.0	3
4	1.1	45	94	30 E	261 E	62	82	266	84	33	7.6	4.6*	4
5	1.1	44	71 *	28 E	223	62	101	292 E	90	33	7.3	4.6	5
6	1.2	40 F	63	26 E	189	70	311 E	296 E	83	33	6.8	5.3	6
7	1.3	38 F	56	25 E	168	71	315 E	288	76	33	8.0*	4.8	7
8	1.6	35 E	51	24 E	157	68	212	281	70	32	8.2	4.3	8
9	1.6	40 E	47	24 E	146	66	172	260	68	31	11	4.9	9
10	4.2	93	45	20 E	154	63	159	247 #	87	30	11	3.9	10
11	26	55	43	15 E	139	62	143	234	74	28	9.5	3.4	11
12	200 F	47	42	12 E	128	59	139	214	66	27	7.6	5.5	12
13	319 F	43	40	14 E	143	56	141	202	62	25	7.2	12	13
14	210 F	45	42	15 E	127	57	198	210	58	23	7.2*	8.0	14
15	82	41	83	15 E	117 *	62	183	227	56	22	6.6	7.3	15
16	58	37	154	15 E	117	63	165	238	54	21	6.3	6.0	16
17	51	35	113	14 E	114	60	151	254	54	19	5.7	6.9	17
18	48	34	91	13 E	109	58	141	237	50	19	6.3	8.2*	18
19	53 *	31	75	11 E	108	65	136	229	47	17	5.9	9.6	19
20	61	31	64	11 E	112	72	137	211	44	17	5.9	11	20
21	65	31 *	55 F	12 E	109	71	129	198	42	17	5.8*	11	21
22	70	30	45 F	13 E	99	68	132	176	44	16	5.6	9.6	22
23	79	28	40 F	14 F	93	73	146	170	67	15	5.8	7.8	23
24	81	27	30 F	15 F	92	69	164	154	60	15	5.4	7.3	24
25	80	27	23 E	15 E	87	71	162	131	48	15	6.1	6.3	25
26	75	34	24 F	14 E	90	70	142	125	43	13	6.1	5.8	26
27	69	50	24 F	13 E	81	102	148	126	40	13	5.5	4.4*	27
28	69	38	24 F	12 F	78	103	171	115	39	12	5.5*	4.4	28
29	69	29 F	24 F	15 F	91	91	194	127	40	10	5.3	4.9	29
30	66	30 E	24 F	30 #	85	85	216	116	39	9.4	5.2	4.2E	30
31	61	26 F	26 F	500 E	85	85	85	111	8.4	8.4	5.8	382	31
MEAN	61.5	40.5	58.5	33.5	169	70.4	157	211	62.3	22.3	6.8	6.4	MEAN
MAX.	319 F	93.0	179	500 E	800 E	103	315 E	296 E	103	36.0	11.0	12.0	MAX
MIN.	1.1	27.0	23.0F	11.0E	78.0	56.0	72.0	111	39.0	8.4	5.2	3.4	MIN.
AC.FT.	3784	2412	3600	2059	9404	4326	9356	12940	3709	1370	418	382	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE 74.3	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 53760
	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	DISCHARGE NR	GAGE HT.	MO.	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 10 00	120 36 57	SW27 27N 12E				JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located 2.2 mi. S of Boulder Creek Guard Station, 11 mi. NE of Genesee. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice.

Note: The maximum discharge of record, occurring either Jan. 31 or Feb. 1, was not recorded because the float in the recorder well was frozen. It was not possible to ascertain the instantaneous data from the information available.

TABLE 71
DAILY MEAN DISCHARGE
 RED CLOVER CREEK ABOVE ABBEY BRIDGE DAMSITE
 in second-feet

STATION NO.	WATER YEAR
A54455	1963

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	20	2370 E	45	165	280	42	6.0	1.8	1.6	1
2	NR	NR	NR	20	1120 E	44	116	275 *	36	6.3	1.5	1.5	2
3	NR	NR	NR	25 *	717 E	41	129	281	32	6.2	1.5	1.7	3
4	NR	NR	NR	28	550 E	36	138	263	32 *	5.6	1.5	1.3	4
5	NR	NR	NR	23	444 E	37	163	247	46	4.9	1.4	1.5	5
6	NR	NR	NR	22 E	324	42	872 E	239	45	5.0	1.3	1.8	6
7	NR	NR	NR	21 E	271	41	981 E	215	33	4.9	1.2	1.6	7
8	NR	NR	NR	20 E	235	37	597 E	244	28	4.3	1.8	1.8	8
9	NR	NR	NR	20 E	208	35	412 E	241	26	4.3	1.9	1.6	9
10	NR	NR	NR	17 E	253	29	361 E	189	36	3.7	1.9	1.4	10
11	NR	NR	NR	12 E	204	28	374 E	174	30	3.2	1.9	1.5	11
12	NR	NR	NR	9.6E	167	26	284	153	26	3.2	1.8	1.9	12
13	NR	NR	NR	10	267	25	245	134	21	3.0	1.6*	2.9	13
14	NR	NR	NR	11	175	26	342 E	128	20 *	2.6	1.3	2.4	14
15	NR	NR	NR	11	150	29	350 E	111	19	2.5*	1.3	2.6	15
16	NR	NR	NR	11 E	141	34	350 E	97	18	2.4	1.7	2.6	16
17	NR	NR	NR	10 E	131	34	300	89	20	2.1	1.4	2.6	17
18	NR	NR	NR *	9.9E	113	32	274	83	20	1.9	1.1	2.7	18
19	NR	NR	70	8.5E	104	41	233 E	80	15	2.1	1.3	3.9	19
20	NR	NR	54	8.7E	104	59	245 E	78	13	1.9	1.3	3.3	20
21	NR	NR	49	9.6E	92	61	212 E	76	9.4	2.1	1.4	2.6	21
22	NR	NR	45	11 #	79	47	217	67	9.1	2.4	1.5	2.4	22
23	NR	NR	41	11 E	70	44	281 E	69	18	2.4	1.5	2.1	23
24	NR	NR	27	11 E	69	59	315 E	83	16	1.8	1.3	2.0	24
25	NR	NR	22 E	11 E	64	65	317 E	64	12	1.6	1.3	1.9*	25
26	NR	NR	21 E	11 E	61	64	250	76	11	1.8	1.3	1.9	26
27	NR	NR	22	10 E	51	162 E	225	60	11	1.7	1.3	1.9	27
28	NR	NR	23	9.4	49	233 E	246	48	7.6	1.6	1.4	2.0	28
29	NR	NR	22	10	190	190	256	58	7.8	1.7	1.3	1.9	29
30	NR	NR	21	464 E	185	185	273	50	7.7	1.7	1.1	1.8	30
31	NR	NR	23	2150 E	173	173		45		1.7	1.3		31
MEAN	NR	NR	NR	97.6	307	64.6	317	139	22.3	3.1	1.5	2.1	MEAN
MAX.	NR	NR	NR	2150 E	2370 E	233 E	981 E	281	46.0	6.3	1.9	3.9	MAX.
MIN.	NR	NR	NR	8.5E	49.0	25.0	116	45.0	7.6	1.6	1.1	1.3	MIN.
AC.FT.	NR	NR	NR	6001	17020	3975	18890	8523	1324	192	90	124	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
NR		NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 58 05	120 31 09	SE 4 24N 13E	3260 E	12.71	2/1/63	DEC 62-DATE	DEC 62-DATE	1962		0.00	LOCAL

Station located above bridge on Forest Service road, 13 mi. E of Genesee, 11 mi. N of Portola.
 Stage-discharge relationship at times affected by ice. Recorder installed Dec. 18, 1962.

TABLE 72
DAILY MEAN DISCHARGE
RED CLOVFR CREEK NEAR GENESEE

STATION NO.	WATER YEAR
A54450	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	9.1	47	38	45 E	4360 E	80	221	358	91	25	11	14	1
3	8.9	44	60	45 E	1590 *	77	177	371	83	24	10	14	2
4	9.4*	43	92	55 E	976	74	171	382	75	23	11	14	3
5	10	41	65	62 E	749	67	193	388	71	23	9.9	13	4
6	10	39	57	52 E	657	65	215	374	81	22	9.9	14	5
7	10	37	53	50 E	469	66	958	363	90	23	9.7*	14	6
8	11	36	49	46 E	377	66	1390	352	72	22	10	14	7
9	11	35	45	45 E	322	61	830	336 *	64	22	11	15	8
10	12	39	43	45 E	282	59	583	363	60	22	13	16	9
11	15	55	40	40 E	318	54	446	333 E	68	22	12	14	10
12	49	42	38	30 E	278	49	428	278 E	66	21	13	14 *	11
13	425	36	37	22 E	213	48	398	235 E	57	20 *	13	16	12
14	2400 F	35	36	23 E	334	45	307	203 E	52 *	19 *	14 *	17	13
15	2010 F	36	36	25 E	230	48	360	190	49	19	14	16	14
16	565	38	79	25 E	194	44	468	178	47	18	14	15	15
17	322	34	317	25 E	182	56	428	165	45	18	13	14	16
18	229	33	263	23 E	175	55	414	161	44	17	14	15	17
19	180	32	204	22 E	157	52	347	155	45	17	14	16	18
20	156 *	30	155	20 E	146	56	307	152	41	16	13	19	19
21	139	30	122 *	20 E	146	72	254	148	36	16	14	19	20
22	127	30 *	107	21 E	137	90	260	150	35	15	13	18	21
23	115	30	95	23 E	124	75	230 *	140	33	15	13	15	22
24	103	30	88	24 E	112	66	270	143	38	14	14	14	23
25	92	28	71 F	25 E	109	72	346	155	40	14	13	15	24
26	83	27	56 F	25 E	102	87	381	131	36	14	14	15	25
27	76	31	48 F	24 E	99	92	354	138	31	13	14	15	26
28	68	85	50 E	23 E	88	111	320	126	30	13	13	16	27
29	62	55	50 E	20 E	84 *	275	315	111	28	12	14	14	28
30	57	43	50 F	24 F	274	274	322	117	27	12	13	14	29
31	52	38	50 F	58 *	233	233	334	108	27	12	14	14	30
31	49	52 F	2840 E	2840 E	233	233	99	99	11	11	13	13	31
MEAN	241	38.6	82.1	124	465	90.4	401	223	52.1	17.9	12.6	15.1	MEAN
MAX.	2400 F	85.0	317	2840 E	4360 E	275	1390	388	91.0	25.0	14.0	19.0	MAX.
MIN.	8.9	27.0	36.0	20.0E	84.0	44.0	171	99.0	27.0	11.0	9.7	13.0	MIN.
ACFT.	14810	2299	5050	7591	25810	5558	23860	13690	3098	1099	777	899	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE	144	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET	104500
		7870E	9.49	2	1	0140	NR						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.O.8&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 02 56	120 39 41	SW 5 25N 12E	7870E	9.49	2/1/63	AUG 54-DATE	AUG 54-DATE	1954		0.00	LOCAL

Station located 1.4 mi. above mouth, 5 mi. E of Genesee. Tributary to East Branch North Fork Feather River via Indian Creek. Stage-discharge relationship at times affected by ice. Drainage area is 122 sq. mi.

TABLE 73
DAILY MEAN DISCHARGE
INDIAN CREEK NEAR TAYLORSVILLE

STATION NO.	WATER YEAR
A54370	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28	258 *	129	162	23000 E	380	790	2020	620	216 E	43 E	50 E	1
2	27	239	233	158	9340 E	363	654	2060	550	193 E	42 E	50 E	2
3	26 #	221	651	176	5470 E	340	650	2130	475	183 E	39 E	50 E	3
4	25 F	202	416 *	190	3840	310 E	695	2050	428	182 E	48 E	41 #	4
5	25 F	188	299	163	3380	290 E	837	2040	413	179 E	44 E	41 #	5
6	25 F	175	251	166	2450	300 F	4340	2110	435	167 E	55 #	41 E	6
7	25 F	157	221	161	1970	310 E	7100	1960	351	151 E	54 #	45 E	7
8	25 F	149	200	150	1700	300 F	4080	1860	326 E	149 E	54 #	41 E	8
9	26 F	155	181	147	1490	280 E	2780	2000	307 F	130 E	60 E	38 E	9
10	40 F	276	166 F	130 E	1520	260 E	2110	1580	363 E	124 E	64 E	33 E	10
11	85 F	227	146	100 E	1480	250 E	1860	1460	388 E	117 E	64 E	34 E	11
12	1300 F	179	137	80 E	1130	240 E	1700	1320	347 E	118 #	58 E	46 E	12
13	7000 F	158	134	85 E	1540	230 E	1440	1160	331 E	115 E	55 E	72 E	13
14	9000 F	155	136	90 E	1250	230 E	1950	1120	317 #	109 E	49 #	60 E	14
15	4000 F	155	242	100 E	1050	240 E	2380	1070	271 E	106 E	52 #	53 E	15
16	2500 F	140	1050	100 E	987	260 E	2000	1070	255 E	109 E	40 E	54 E	16
17	1400 F	127	1120	90 E	939	250 E	1790	1110	267 E	100 E	37 E	54 E	17
18	950 F	122	908	80 E	834	240 E	1540	1130	253 E	92 E	42 E	48 #	18
19	830 F	112	668	70 F	768	260 E	1410	1170	233 E	87 E	46 E	51 E	19
20	773	109	524 *	70 E	745	290 E	1180	1180	218 E	95 E	30 E	53 E	20
21	726	104	442	78 E	713	330 E	1160	1150	209 E	97 E	45 #	53 E	21
22	666	100	395	85 E	618	300 F	1090 *	1080	233 E	105 E	42 E	48 E	22
23	637	97	360	92 E	551	290 E	1250	1070	324 E	103 E	39 E	48 E	23
24	560	92	288	100 #	543	290 E	1640	1140	337 E	92 E	35 E	46 E	24
25	500	88	206	100 E	503	299	1850	953	260 E	76 E	38 E	46 E	25
26	450	97	193 F	95 E	478	307	1440	847	226 E	71 E	45 E	44 E	26
27	396	255	199 F	85 E	422	388	1360	784	216 E	60 E	46 E	44 #	27
28	358	232	205	75 E	396 *	1050	1650	704	229 E	61 E	44 #	42 E	28
29	336	153	193	200 E		1010	1810	734	229 E	64 E	40 #	43 E	29
30	311	122	192	800 E		877	1910	715	223 E	51 E	46 E	39 E	30
31	288		195	8700 E		850		707		41 E	47 E		31
MEAN	1075	162	345	415	2468	375	1882	1338	321	114	46.5	46.9	MEAN
MAX.	9000 F	276	1120	8700 E	23000 E	1050	7100	2130	620	216 E	64.0E	72.0E	MAX.
MIN.	25.0F	88.0	129	70.0E	396	230 E	650	704	209 E	41.0E	30.0E	33.0E	MIN.
ACFT.	66130	9608	21180	25540	137100	23040	112000	82280	19110	7027	2862	2793	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E end *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
702	30100E	10.65	2	1	0210	NR			508600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 03 31	120 49 10	NW 1 25N 10E	30200E	10.7	2/1/63	4/45-8/54 @ 8/54-DATE	4/45-8/54 @ 8/54-DATE	1954		0.00	LOCAL

Station located 0.7 mi. below Montgomery Creek, 1.5 mi. SE of Taylorsville. Stage-discharge relationship at times affected by ice. Record listed is not considered to have the same degree of accuracy as other records published in this report. Drainage area is 533 sq. mi.

@ - Maintained by watermaster service for irrigation season only.

TABLE 74
DAILY MEAN DISCHARGE
PALERMO CANAL AT OROVILLE DAM

STATION NO.	WATER YEAR
A56910	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	0.0	18	18	16	13	1
2	NR	NR	NR	NR	NR	NR	NR	0.0*	18	18*	15*	14	2
3	NR	NR	NR	NR	NR	NR	NR	0.0	18	18	14	13	3
4	NR	NR	NR	NR	NR	NR	NR	0.0	18*	18	14	11*	4
5	NR	NR	NR	NR	NR	NR	NR	0.0	19	18	12	14	5
6	NR	NR	NR	NR	NR	NR	NR	0.0	19	18	11	14	6
7	NR	NR	NR	NR	NR	NR	NR	0.0	18	18	13	14	7
8	NR	NR	NR	NR	NR	NR	NR	0.0*	19	18	13	15	8
9	NR	NR	NR	NR	NR	NR	NR	0.0	19	17	13	14	9
10	NR	NR	NR	NR	NR	NR	NR	2.4	18	17	13	15	10
11	NR	NR	NR	NR	NR	NR	NR	2.3	18	16	13	11	11
12	NR	NR	NR	NR	NR	NR	NR	0.2	18	9.3	12	13	12
13	NR	NR	NR	NR	NR	NR	NR	0.1	18	17	12	8.3	13
14	NR	NR	NR	NR	NR	NR	NR	0.1	18	14	13	8.0	14
15	NR	NR	NR	NR	NR	NR	NR	0.1	18	12*	13	7.7	15
16	NR	NR	NR	NR	NR	NR	NR	4.6	18	11	13	7.7	16
17	NR	NR	NR	NR	NR	NR	NR	8.6	18	13	13	7.8	17
18	NR	NR	NR	NR	NR	NR	NR*	9.3	18	13	13	7.5	18
19	NR	NR	NR	NR	NR	NR	0.0	9.4	18	13	13	7.5	19
20	NR	NR	NR	NR	NR	NR	0.0	9.3	18*	13	13	7.5	20
21	NR	NR	NR	NR	NR	NR	0.0	9.2	18	13	13	7.5	21
22	NR	NR	NR	NR	NR	NR	0.0	9.5*	18	13	13	7.5	22
23	NR	NR	NR	NR	NR	NR	0.0	9.5	15	13	13	7.6	23
24	NR	NR	NR	NR	NR	NR	0.0	9.4	19	13	13	7.7	24
25	NR	NR	NR	NR	NR	NR	0.0	9.2	18	14	12	7.4	25
26	NR	NR	NR	NR	NR	NR	0.0	9.0	16	17	12	7.4	26
27	NR	NR	NR	NR	NR	NR	0.0	8.5	12	16	11	7.5	27
28	NR	NR	NR	NR	NR	NR	0.0	13	18	19	8.1*	7.5	28
29	NR	NR	NR	NR	NR	NR	0.0	18	18	11	12	7.5	29
30	NR	NR	NR	NR	NR	NR	0.0	18	18	20	13	7.2	30
31	NR	NR	NR	NR	NR	NR	0.0	18	18	20*	13	7.2	31
MEAN	NR	NR	NR	NR	NR	NR	NR	5.7	17.8	15.4	12.8	9.9	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	18.0	19.0	20.0	16.0	15.0	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	0.0	12.0	9.3	8.1	7.2	MIN.
AC.FT.	NR	NR	NR	NR	NR	NR	NR	352	1059	949	788	591	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
± - E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE- FEET NR
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
NR	NR	NR	NR	NR	NR	NR	NR	NR	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 32 00	121 28 55	SW 1 19N 4E		1.07	5/29/63	APR 63-DATE	APR 63-DATE	1963		0.00	LOCAL

Station is located at the outlet of the relocation tunnel of Palermo Canal. On completion of Oroville Dam, it will be located 50 ft. SE of toe of the Dam. This is water diverted by the Palermo Ditch Company from the South Fork Feather River near Forbestown. Recorder installed Apr. 18, 1963.

TABLE 75

DAILY MEAN DISCHARGE

KELLY RIDGE TURNOUT TO PALERMO CANAL NEAR OROVILLE DAM
in second-feet

STATION NO.	WATER YEAR
A56905	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.8	9.2	1
2	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0*	9.5	9.2	2
3	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.5	9.2	3
4	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.5	9.2*	4
5	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.2	9.2	5
6	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.2*	9.2	6
7	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.0	9.2	7
8	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.0	9.5	8
9	NR	NR	NR	NR	NR	NR	NR	NR *	0.0	0.0	9.0	9.5	9
10	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	0.0	9.0	9.5	10
11	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	0.0	9.0	9.5	11
12	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	0.0	9.2	9.5	12
13	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	0.0	9.2	9.5	13
14	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	5.4	9.2	9.5	14
15	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.8*	9.2	9.5	15
16	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.2	9.5	16
17	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.5	9.5	17
18	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.5	9.5	18
19	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.8	9.5	19
20	NR	NR	NR	NR	NR	NR	NR	0.0	0.0*	10	9.8*	9.5	20
21	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.8	9.5	21
22	NR	NR	NR	NR	NR	NR	NR	0.0*	0.0	10	9.8	9.8	22
23	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10 *	9.8	9.8	23
24	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.5	9.8	24
25	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.5	9.8	25
26	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.2	9.8	26
27	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.0	9.8	27
28	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.0	9.8	28
29	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.2	9.8	29
30	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	10	9.2	9.8	30
31	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.8	9.2	9.8	31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	0.0	5.6	9.3	9.5	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	0.0	10.0	9.8	9.8	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	0.0	0.0	9.0	9.2	MIN.
AC.FT.	NR	NR	NR	NR	NR	NR	NR	NR		347	574	566	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE	NR	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
NR		NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 31 50	121 29 00	SE 2 19N 4E		1.26	7/16/63	MAY 63-DATE	MAY 63-DATE	1963		0.00	LOCAL

Station is located west of Kelly Ridge Penstock. This is water from the Oroville-Wyandotte Irrigation District which supplements or replaces that used during the construction phase of the Dam.
Records furnished by USGS from July 1 through September 30. Recorder installed May 9, 1963.

TABLE 76
DAILY MEAN DISCHARGE
FEATHER RIVER AT DROVILLE

STATION NO.	WATER YEAR
A05791	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1810	4190	5120	3560	125000	4980 *	10900	13600	7550	3630	2190	1900	1
2	1990 *	4400 *	6140	3580	61900 *	4630	9540 *	13800 *	6660	3590 *	2190	1900	2
3	2100	4290	19200	3530 *	36600	4500	8970	14600	6040	3590	2160	1860	3
4	1860	4290	12000 *	3630	24900	4360	7570	15000	5430 *	3540	2170	1840 *	4
5	1780	4440	9110	3730	20400	4190	8920	15200	5280	3540 *	2090	1880	5
6	1760	4230	7940	3180	16800	3960	37900	15600	5040	3520	1980 *	1910	6
7	1670	4190	7520	3060	14500	4100	52000 *	16500	4950	3500	1990	1910	7
8	1710	4010	6560	3180	13200 *	3940	39200	16500	4410	3470 *	1990	1910	8
9	1690	3800	5660	2840	12000	3680	28300	15000	4250	3450	2000	1930	9
10	2030	4420	4920	2900	10900	3460	23000	13400	4210	3400	2060	1950	10
11	8000	4010	5240	3260	10300	3510	19500	13600	4110	3360	2000	1930	11
12	53100	3720	4440	2190	10000	3150	17200	13000	3830	3270	2000	1960	12
13	101000 *	3480	4000	2160	11700	3250	16000	11700	3810	3240	1950	2460	13
14	73600 *	3750	4530	2780	11600	3200	30500	10900	3700	3220	1910	2490	14
15	50600 *	3800	8140	2710	10400	3670	31700	10700	4310	3060	1930	2440	15
16	16400 *	3700	15400	2590	9800	3650	24400	10800	4230	3170	1920	2060	16
17	10000	3670	18400	2370	9200	3250	19900	11400	4190	3210	1980	1860 *	17
18	8200	3480	15100	2420	8400	3300 *	17400	11900	4090	2850	2020	2070	18
19	6320	3220	11900	2360	8100	3440	18300	11900	3910	3170	1990	2310	19
20	5240	3150	10000	2300	7800	3430	16100	12500	3890	3110	2070 *	2340	20
21	5220	2840	8810	2460	7800	3650	14000	11900 *	3950	3110	2020	2340	21
22	4740	3220	8140	2610	7000	3670	13100	11700	3950	3080	1930	2240	22
23	4420	3200	7780	2670	6800	4960	12500	11000	4050	3060 *	1960	2310	23
24	4800	3200	7290	2370	6600	4420	12400	10700	4010	3060	1930	1860	24
25	5360	3140	5820	2600	6100	4180	12200	10500	3910 *	3030	1950	1960	25
26	4860	3550	4940	2330	5700	4140	11900	9870	3810	2920	1910	2070	26
27	4980	7520	4460	2470	6000	7070	11500	9420	3770	2500	1910	1710	27
28	4820	4460	4290	2590	5400	20400	11400	8440	3700	2400	1920	1690	28
29	4530	4570	3680	2760	14900	12200	8250	3700	2400	2400	1910	1700	29
30	4480	4840	3700	7310	12900	13100	7780	3670	2280	1890	1890	1690	30
31	4530	3650	84700	84700	12400	12400	6880	6880	2210	1890	1890	1690	31
MEAN	12370	3959	7867	5585	17320	5430	18720	12070	4414	3127	1994	2016	MEAN
MAX.	101000	7520	19200	84700	125000	20400	52000	16500	7550	3630	2190	2490	MAX.
MIN.	1670	2840	3650	2160	5400	3150	7570	6880	3670	2210	1890	1690	MIN.
AC.FT.	760900	235600	483700	343400	961800	333900	1114000	741900	262600	192300	122600	120000	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
‡ - E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE- FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
7835	191000	65.37	1	31	2100	NR					5673000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 31 06	121 32 57	SW8 19N 4E	230000		3/19/07	OCT 01-DATE	OCT 01-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962		100.00	USCGS

Station located 200 ft. below Oroville-Chico Road bridge, 0.4 mi. NE of Oroville. Flow partly regulated by reservoirs and power plants. The flow was also affected by construction activities at Oroville dam. Records furnished by USGS. Drainage area is 3632 sq. mi.

TABLE 78

DAILY MEAN DISCHARGE

NORTH HONCUT CREEK NEAR BANGOR

in second-feet

STATION NO.	WATER YEAR
A05135	1963

DAY	OCT.	NOV	DEC.	JAN	FEB	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	5.6	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	5.6	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	5.5	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	5.1	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	5.4	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	6.0	6
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	6.0	7
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	5.9	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	6.1	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	6.8	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	7.6	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26	10	12
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26	13	13
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26	11	14
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	9.1	15
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	8.9	16
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	8.8	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	8.1	18
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26	9.0	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22	10	20
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27	10	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28	14 E	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	11 E	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	31	8.4E	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	7.6E	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	6.1E	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	4.9E	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	5.0	28
29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	4.9	29
30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	5.3	30
31	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	5.3	31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	20.9	8.3	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30.0	13.0	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.9E	5.1	MIN.
ACFT.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12.4	4.94	ACFT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 ‡ - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 32	121 29 25	SW11 17N 4E	3620E	9.08	2/16/62	OCT 59-SEP 62 JUL 63-DATE	OCT 59-SEP 62 JUL 63-DATE	1959	1962	0.00	LOCAL LOCAL

Station located 0.4 mi. N of Honcut-Wyand Road and Bangor Highway junction, 5.8 mi. SW of Bangor. At a site 5.7 mi. SW of Bangor prior to October 1962 when it was destroyed by high water. Station was rebuilt in July 1963, 50 ft. downstream from old site. Tributary to Feather River. Maximum discharge listed is at gage ht., site and datum then in use. Drainage area is 47.1 sq. mi.

TABLE 79
DAILY MEAN DISCHARGE
FEATHER RIVER AT YUBA CITY

STATION NO.	WATER YEAR
A05135	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1240	4860	4990	4320	100000 #	5200	12900	13100	6520 E	1970	384	358	1
2	1220	4600	4890	4250	111000 *	5060	10800	13600	5920 E	1890	306	348	2
3	1340	4700	9000 E	4180	63300	4760	9440 *	14000 *	5190 E	1800	312	354	3
4	1370	4600	16000 E	4170	38500	4530	8810	14600	4410 E	1760	330	334	4
5	1220	4630	11000	4190	29300	4520	8090	15100 E	3790 #	1740	423	298 *	5
6	1180	4610	8570	4150	23300	4200	15300 E	15200 E	3450 E	1700	417	301	6
7	1140	4470	7630	3740	18500 *	4310	27500 E	15600 E	3240 E	1660	347 *	372	7
8	1090	4310	7030	3760 *	15300	4180	37800 E	15800 E	3070 E	1670	313	439	8
9	1170 *	4080	6180	3700	13700	4210	34100	15700 E	2860 E	1620 *	303	495	9
10	1080	4110	5610	3460	12400	4000	28000	14000	2660 E	1600	289	585	10
11	1530	4570	5140	3540	11400	3630	24600	13400	2550 E	1560	298	686	11
12	8000 E	4100	5210	3510	9710	3730 *	21000	12700	2360 E	1470	369	827	12
13	50000 E	3870	4420	2830	12200	3330	18300	11300	2230 E	1400	412	1040	13
14	150000 E	3720	4370 *	2840	13000 E	3330	22300	10100	2140 E	1400	415	1850	14
15	77300 *	3890	4790	3250	12300	3560	27500 E	9660	2270 E	1340	350	2120	15
16	32900	3850 *	11000 E	3240	10500	3790	30600 #	9670	2390 E	1250	310	2080	16
17	17900	3760	18000 #	3080	9580	4140	25200	10300	2440 E	1300	310	1800	17
18	11800	3740	18300	3020	8920	3560	21000	11000 E	2360 E	1280	342	1690	18
19	9300	3620	15100	3000	7990	3560	19700	11400 E	2270 E	956	364	1840	19
20	7490	3540	11900	2970	7770	3430	19200	11700 E	2200 E	1170	383	2210	20
21	6650	3350	10100	2880	7380	3730	16600	11800 E	2110 E	1170	472 *	2290	21
22	6250	3370	9460	3020	7070	3670	14600	11700 #	2090 E	1200	551	2290	22
23	5780	3490	8380	3200	6510	4560	13500	11300 E	2130 E	1190	511	2220	23
24	5550	3490	7700	3090	6320	6510	13000	10800 E	2150 E	1180 *	462	2200	24
25	5820	3470	7010	3020	6010	5540	12700	10200 E	2140 E	1210	435	1750	25
26	5900	3460	5960	3070	5820	5000	12500	9580 E	2060 #	1210	426	1690	26
27	5450	5730	5500	2910	5700	5180	11900	8870 E	2020	1110	397	1720	27
28	5490	6010	5190	2930	5390	12700 E	11600	8280 E	1980	765	382	1540	28
29	5220	4950	4890	3120	4890	17400 E	11700	7980 E	1930	650	365	1370	29
30	4980	4720	4430	4100	4100	15800	13500	7630 E	1960	591	379	1350	30
31	4970	4440	20000 E	20000 E	13300	13300	7180 E	7180 E	497	377	377		31
MEAN	13560	4189	8135	3953	20670	5626	18460	11720	2830	1333	379	1282	MEAN
MAX.	130000	6010	18300	20000 E	100000 E	17400 E	37800 E	15800 E	6520 E	1970	551	2290	MAX.
MIN.	1080	3350	4370	2830	5390	3330	8090	7180 E	1930	497	289	298	MIN.
ACFT.	833800	249300	100200	243100	1148000	346000	1098000	720500	168400	81940	23270	76260	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	ACRE- FEET
7582	NR					283	39.06	8	2	1900	5489000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 08 20	121 36 17	SE23 15N 3E		82.42	12/24/55	7/44-10-45 # 1/46-DATE	11/43-DATE	1943	1943	0.00 -3.0	USED USCGS

Station located at Sacramento Northern Railroad Bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,985 sq. mi.

- Irrigation season only

TABLE 80
DAILY MEAN DISCHARGE
BLOODY RUN CREEK NEAR NORTH SAN JUAN

STATION NO.	WATER YEAR
A63350	1963

in second-feet

DAY	OCT.	NDV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	6.1	4.0	10	320 E	13	42	49	11	5.4	2.3	0.9	1
2	0.9	5.9	15	9.9	145 E	13	39 *	48	11	5.6	2.2	0.9	2
3	0.9	5.6	39	9.8	92	13	37	45	9.8	5.0	2.4	0.7	3
4	0.9*	5.3	26	9.3	68	12	36	42	9.3	4.6	2.3	0.7	4
5	0.7	4.9	21	8.6	55	12	43	39	9.0	4.9	2.1	0.9	5
6	0.6	5.0	19	8.3	45	12 *	149	35	8.7*	4.8	2.1	0.9	6
7	0.6	4.6	17	8.0	40	12	179 E	33 *	8.6	4.6	1.9	0.9	7
8	0.6	4.6	15	7.7	36	12	126	35	8.5	4.3	2.1	0.8	8
9	0.6	5.1	14	7.7	34	13	102	34	8.6	4.0	2.1	0.8	9
10	2.4	5.2	12	7.7	32	13	90	31	8.3	3.9	2.0	0.8	10
11	11	4.4	11 *	6.8E	28	12	68	30	8.4	3.6	2.0	0.8	11
12	34	4.4	11	6.0E	27	11	60	30	8.4	3.4	1.6	1.4	12
13	123 #	3.8	10	6.4E	32	11	53	30	8.1	3.3	1.5	1.3	13
14	113 E	3.8	9.9	6.7	28	11	70	28	7.5	3.6	1.6	1.1	14
15	57	3.6*	15	6.4	26	10	89	27	6.9	3.5	1.4	1.1	15
16	39	3.5	20	6.4	26	11	80	25	6.7	3.3	1.3	1.0	16
17	30	3.3	23	6.4	24	10	71	25	6.5	3.3*	1.3	1.0	17
18	25	3.0	23	6.0*	22 *	9.9	62	24	6.1	3.7	1.3	1.1	18
19	21	2.9	23	5.8	21	9.9	57	22	6.2	3.8	1.1	1.2	19
20	17	3.1	21	5.7	19	9.9	51	21	5.9	3.7	1.1	1.3*	20
21	15	3.0	19	5.8	18	9.4*	47	19	5.7	3.2	1.1	1.3	21
22	13	2.9	18	5.5	18	10	43	17	5.9	3.2	1.1*	1.1	22
23	12	2.9	18	5.5	17	12	40	17	6.2	3.0	1.1	1.1	23
24	10	2.9	16	5.5	16	11	38	17	5.6	3.0	1.1	1.0	24
25	9.2	2.9	15	5.5	16	11	37	16	5.4	3.0	1.1	0.9	25
26	8.9	5.0	14	5.3	14	11	38	14	5.3	2.9	1.1	0.8	26
27	8.4	6.9	14	5.2	13	20	37	14	5.3	2.9	0.9	0.8	27
28	7.8	5.0	12	5.2	13	40	37	13	5.2	2.5	1.0	0.8	28
29	7.6	4.6	12	5.7		38	40	12	5.1	2.7	0.9	0.8	29
30	7.1	4.1	11	18		38	44	11	5.1	2.5	0.9	0.8	30
31	6.6		10	129 #		42		10		2.5	0.9		31
MEAN	18.9	4.3	16.4	11.2	44.5	15.3	63.5	26.2	7.3	3.7	1.5	1.0	MEAN
MAX.	123 E	6.9	39.0	129 E	320 E	42.0	179 E	49.0	11.0	5.6	2.4	1.4	MAX.
MIN.	0.6	2.9	4.0	5.2	13.0	9.4	36.0	10.0	5.1	2.5	0.9	0.7	MIN.
AC.FT.	1160	254	1007	686	2469	938	3779	1613	433	226	93	58	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE 17.6	MAXIMUM					MINIMUM					TOTAL ACRE-Feet 12720
	DISCHARGE 403 E	GAGE HT. 4.50	MO. 2	DAY 1	TIME 0400	DISCHARGE 0.5	GAGE HT. 1.28	MO. 10	DAY 9	TIME 0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 24 02	120 54 03	NW30 18N 10E	403E	4.50	2/1/63	OCT 61-DATE	OCT 61-DATE	1961		0.00	LOCAL

Station located 1,000 ft. above bridge on Forest Service Road, 11 mi. E of North San Juan. Tributary to Middle Yuba River. Operation of station discontinued Oct. 1, 1963.

TABLE 81
DAILY MEAN DISCHARGE
GRIZZLY CREEK NEAR NORTH SAN JUAN

STATION NO.	WATER YEAR
A63300	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.9	1.0	1.6	4.1 E	3.4	12	13	4.9	2.1	1.1	0.7	1
2	0.2	0.8	3.0	1.5	25 *	3.5	11 *	13	4.7	2.0	1.0	0.8	2
3	0.2	0.9	9.0	1.5	18	3.5	10	12	4.6	1.9	1.0	0.7	3
4	0.3*	0.9	5.0	1.4	15	3.2	9.6	11	4.3	2.0	1.1	0.6	4
5	0.2	0.9	3.6	1.3	12	3.0	11	10	4.3	2.1	1.1	0.6	5
6	0.2	0.8	2.9	1.3	10	3.0*	28 E	9.0	4.3*	2.0	1.0	0.6	6
7	0.2	0.8	2.4	1.3	9.1	3.1	26	8.8*	4.3	1.9	1.0	0.6	7
8	0.2	0.8	2.2	1.3	8.0	3.1	25	9.5	4.3	1.8	1.0	0.6	8
9	0.1	0.9	2.1	1.2	7.1	3.2	24	9.4	4.0	1.7	1.0	0.6	9
10	0.6	1.0	2.0	1.2	6.7	3.0	24	9.0	3.9	1.7	1.0	0.6	10
11	4.0	0.8	1.8*	1.2	6.0	3.0	23	11	4.0	1.6	1.0	0.6	11
12	13 E	0.8	1.6	1.1	5.7	2.9	22	12	3.8	1.6	1.0	0.7	12
13	42 #	0.8	1.6	1.1	9.5	2.8	21	10	3.4	1.5	0.9	0.7	13
14	21 E	0.8	1.6	1.1	8.6	2.9	25 E	9.0	3.1	1.6	0.8	0.5	14
15	8.7	0.8*	2.3	1.1	7.1	2.9	31 E	8.0	3.1	1.5	0.7	0.5	15
16	6.3	0.8	4.1	1.1	6.5	2.9	27	7.6	3.0	1.4	0.8	0.5	16
17	4.6	0.9	4.9	1.1	6.1	2.9	26	7.2	2.9	1.5*	0.7	0.5	17
18	3.3	0.9	4.0	1.1*	5.7*	2.8	25	6.6	2.9	1.5	0.7	0.5	18
19	2.5	0.8	3.3	1.1	5.5	2.7	25 *	5.9	3.0	1.5	0.7	0.6	19
20	2.2	0.7	3.1	1.2	5.2	2.7	24	5.4	2.7	1.6	0.8	0.6*	20
21	1.6	0.7	2.8	1.2	4.8	2.9*	22	5.2	2.7	1.5	0.8	0.6	21
22	1.6	0.7	2.6	1.2	4.6	3.1	21	5.0	2.7	1.5	0.8*	0.6	22
23	1.5	0.7	2.4	1.2	4.3	6.3	20	4.9	2.9	1.6	0.8	0.6	23
24	1.3*	0.7	2.2	1.2	4.2	6.0	19	4.8	2.7	1.5	0.8	0.6	24
25	1.3	0.8	2.1	1.2	3.9	4.6	18	4.8	2.7	1.5	0.8	0.5	25
26	1.2	1.3	2.1	1.1	3.8	4.1	18	4.5	2.4	1.4	0.8	0.5	26
27	1.0	2.4	2.0	1.1	3.6	6.4	17	4.5	2.5	1.3	0.8	0.5	27
28	1.0	1.7	1.9	1.1	3.6	15	16	5.1	2.5	1.3	0.8	0.4	28
29	1.0	1.4	1.7	1.2	15	15	15	5.8	2.4	1.1	0.8	0.4	29
30	1.0	1.2	1.7	5.3	12	12	14	5.6	2.2	1.1	0.7	0.4	30
31	0.9		1.6	34 #	12	12		5.3		1.2	0.7		31
MEAN	4.0	0.9	2.7	2.4	9.0	4.8	20.3	7.8	3.4	1.6	0.9	0.6	MEAN
MAX.	42.0E	2.4	9.0	34.0E	41.0E	15.0	31.0E	13.0	4.9	2.1	1.1	0.8	MAX.
MIN.	0.1	0.7	1.0	1.1	3.6	2.7	9.6	4.5	2.2	1.1	0.7	0.4	MIN.
ACFT.	245	56	168	148	497	293	1209	482	201	98	54	34	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE 4.8	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 3485
	DISCHARGE 86.0E	GAGE HT. 2.25	MO. 1	DAY 31	TIME 2110	DISCHARGE 0.1	GAGE HT. 0.39	MO. 10	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 24 10	120 57 53	SE21 18N 9E	86E	2.25	1/31/63	OCT 61-DATE	OCT 61-DATE	1961		0.00	LOCAL

Station located 100 ft. below bridge on Forest Service Road, 7.8 mi. E of North San Juan. Tributary to Middle Yuba River. Operation of station discontinued Oct. 1, 1963.

TABLE 82

DAILY MEAN DISCHARGE
DEER CREEK NEAR NEVADA CITY

STATION NO.	WATER YEAR
A61380	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	4.6	4.1	96	2730 E	111	203	121	55	13	38	24	1
2	20	4.3	9.3	95	970 #	90	191	120	50	13	37	24	2
3	21	4.3	17	93	448	66	161	116	49	12	37	24	3
4	21 *	4.6	9.9	84	327	53	163	114	44	13	36	24	4
5	21	4.1	5.9	75	250	47	171	131	43	13	32	25	5
6	20	4.1	5.5	81	195	43	400	151	41 *	12	27	24	6
7	20	4.3	5.3	83	158	42 *	701	162	38	12	26	24	7
8	16	4.1	5.3	85	142	40	610	177	36	13	26	23	8
9	10	5.1	4.8	83	122	40	441	194	35	13	27	23	9
10	16	4.9	4.7	83	105	39	380	177	32	13	26	21	10
11	29	4.7	4.7*	87	91	37	333	185	27	13	26	20	11
12	133	5.3	4.7	88	83	26	301	174	25	13	26	21	12
13	271 *	5.2	4.7	85	151	7.9	262	166	20	13	25	20	13
14	81 F	4.7	4.7	83	158	7.7	312	156	20	15	26	17	14
15	19 E	4.5*	14	85	149	8.0	452	149	19	15	24	17	15
16	12 E	4.4	21	85	146	49	397	141	19	15	21	16	16
17	7.8F	4.3	14	84	143	109	339	136	19	16	21	13	17
18	6.2F	4.3	11	85 *	138	87	297	128	19	40	21	13	18
19	5.4F	4.6	8.4	122	140	61	321 *	120	16	16	21	13	19
20	4.9F	4.4	7.4	102	138	12	291	108	14	14	20	12	20
21	4.6F	4.4	7.2	93	122	9.6	252	96	13	21	20	7.5	21
22	4.2F	4.4	6.9	85	120	8.6*	201	85	13	21	20	7.9	22
23	4.0	4.3	6.3	82	117	28	172	83 *	13	21	20	7.4	23
24	3.6	4.0	6.0	80	117	19	165	80	12	21	20	7.0	24
25	3.7	4.1	11	74	115	15	142	78	13	22	20	7.1	25
26	3.9	6.7	53	77	114	14	138	75	14	27	23	12	26
27	3.6	7.2	85	80	113	62	136	73	14	47	26	12	27
28	3.6	5.2	93	80	112	246	131	71	14	32	25	16	28
29	3.6	4.7	95	75		239	125	70	14	33	25	18	29
30	3.7	4.4	97	305		197	122	65	14	45	24	18	30
31	4.0		97	1820 E		191		61		39	24		31
MEAN	25.7	4.7	23.3	149	276	64.7	277	121	25.2	20.2	25.5	17.0	MEAN
MAX.	271	7.2	97.0	1820 E	2730 E	246	701	194	55.0	47.0	38.0	25.0	MAX.
MIN.	3.6	4.0	4.1	74.0	83.0	7.7	122	61.0	12.0	12.0	20.0	7.0	MIN.
ACFT.	1582	278	1436	9154	15300	3976	16480	7464	1498	1242	1567	1013	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
84.2	3900E	7.23	2	1	0230	3.6	1.39	10	23	2400	60990

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 16 05	120 59 53	NW 8 16N 9E	3900E	7.23	2/1/63	JUN 57-DATE	JUN 57-DATE	1957		0.00	LOCAL

Station located 1.0 mi. NE of Nevada City. Tributary to Yuba River. Flow regulated by Deer Creek and Scotts Flat Reservoirs. Drainage area is 26.0 sq. mi.

TABLE 84

DAILY MEAN DISCHARGE

WOLF CREEK NEAR WOLF

in second-feet

STATION NO.	WATER YEAR
A65250	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OAY
2	11	34	44	60	2430 F	77	338	141	67	28	10	15	1
3	9.2	34	187	60	688 *	74	229	118	59	28	11	14	2
4	10	34	928	62	411	75	192	93	57	27	11	14	3
5	11 *	34	743	62	299	72	166	89	52	24	12	11	4
6	12	32	144	56	236	75	322	85	52	25	12	12	5
7	11	32	106	55	196	69 *	2460 E	79	52 *	23	12	15 *	6
8	12	33	89	54	172	65	935	77 *	47	23	12	15	7
9	12	29	76	52	158	61	524	156	43	22	12	14	8
10	12	38	66	52	153	62	382	185	39	22	12	15	9
11	75	44	57	52	158	58	437	157	39	21	12	14	10
12	304	36	53 *	49	132	54	334	332	43	20	12	12	11
13	1900 F	33	47	47	148	45	263	222	42	19	17	16	12
14	8630 F	32	47	47	780	42	229	168	44	22	15	27	13
15	1950 F	32	46	47	399	56	1160	142	44	19	13	20	14
16	346	33	367	48	264	72	1170	126	42	17	11	18	15
17	184	33	1050	47	209	98	606	103	39	18	12	18	16
18	130	34	625	47	185	108	425	76	37	19	10	17	17
19	106	32	330	47 *	154	100	334	63	35	18	8.8E	18	18
20	84	32	210	46	138	87	697	70	34	13	7.6E	20	19
21	70	32	156	45	127	66	453	66	32	14	7.6E	19	20
22	61	32	131	46	120	58	395	67	28	20	8.8E	19	21
23	52 *	32	114	45	112	69	304	76	30	17	9.4E	19	22
24	48	32	103	45	105	352	263	76	36	17	12	20	23
25	46	32	94	45	101	180	231	76	32	17	13	16	24
26	44	32	84	45	95	123	225	75	28	18	15	14	25
27	43	63	79	44	90	96	230	69	24	19	14	13	26
28	41	194	75	44	84	794	192	65	25	15	14	11	27
29	39	72	70	43	81	1940	173	74	27	11	13	10	28
30	38	49	67	50	589	159	100	28	28	9.5	14	14	29
31	38	46	64	1280	345	153	84	25	25	9.6	15	12	30
MEAN	463	41.9	188	218	294	205	466	109	39.4	18.9	12.0	15.7	MEAN
MAX.	8630 F	194	1050	4040 F	2430 E	1940	2460 E	332	67.0	28.0	17.0	27.0	MAX.
MIN.	9.2	29.0	44.0	43.0	81.0	42.0	153	63.0	24.0	9.4	7.6E	10.0	MIN.
AC.FT.	28490	2491	11530	13410	16310	12580	27730	6714	2344	1159	740	936	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record

* - Discharge measurement or observation of no flow made on this day.

** - E and *

MEAN DISCHARGE 172	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 124400
	DISCHARGE 15200 E	GAGE HT. 21.01	MO 10	DAY 13	TIME 1850	DISCHARGE NR	GAGE HT.	MO	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 02 41	121 06 32	SE 20 14N 8E				MAY 57-DATE	MAY 57-DATE	1957		0.00	LOCAL

Station located 0.8 mi. W of State Highway 49, 1.9 mi. SE of Wolf. Tributary to Bear River. Drainage area is approx. 76 sq. mi.

TABLE 85

DAILY MEAN DISCHARGE
RECLAMATION DISTRICT 1001 DRAINAGE TO NATOMAS CROSS CANAL
in second-feet

STATION NO.	WATER YEAR
A02918	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	110	8.2	17.1	34.8	145	24.8	88.2	38.1	57.1	0.0	0.0	34.6	MEAN
MAX.													MAX.
MIN.													MIN.
AC.FT.	6743	490	1047	2144	8069	1532	5252	2342	3397			2060	AC.FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - End *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
45.7	NR					NR					33050

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			D.SCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 47 26	121 35 47	NW24 11N 3E				JAN 40-DATE					

Plant located 1.2 mi. E of Verona. Discharge computed from records of operation of pumps. This is drainage returned by pumping only. There is an undetermined amount of gravity flow.

TABLE 86

DAILY MEAN DISCHARGE

R D 1000 DRAINAGE TO SACRAMENTO RIVER (PRICHARD LAKE)
in second-feet

STATION NO.	WATER YEAR
A02912	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	159	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	13	0.0	0.0	0.0	0.0	0.0	86	0.0	0.0	0.0	0.0	0.0	12
13	198	0.0	0.0	0.0	8.7	0.0	85	0.0	0.0	0.0	0.0	0.0	13
14	162	0.0	0.0	0.0	89	0.0	81	0.0	0.0	0.0	0.0	0.0	14
15	157	0.0	0.0	0.0	86	0.0	85	0.0	0.0	0.0	0.0	0.0	15
16	157	0.0	0.0	0.0	36	0.0	147	0.0	0.0	0.0	0.0	0.0	16
17	165	0.0	0.0	0.0	0.0	0.0	83	0.0	0.0	0.0	0.0	0.0	17
18	171	0.0	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	0.0	0.0	18
19	128	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	41.2	0.0	0.0	9.9	36.6	0.0	20.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	198	0.0	0.0	203	174	0.0	147	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.	2530			610	2031		1188						AC.FT.

WATER YEAR SUMMARY

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 ‡ - E and *

MEAN DISCHARGE 8.8	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 6359
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
	NR					NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 43 51	121 36 07	SE12 10N 3E				JAN 55-DATE					

Plant located 3.9 mi. S of Verona. Discharge computed from records of operation of pumps. This is drainage returned by pumping only. There is an undetermined amount of gravity flow. Additional water is returned by Second Bannon Slough Plant and an undetermined amount by No. 3 Plant.

TABLE 87
DAILY MEAN DISCHARGE
R D 1000 DRAINAGE TO SACRAMENTO RIVER (DRAIN 3)
in second-feet

STATION NO.	WATER YEAR
A02911	1963

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	57	1
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	55	2
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	61	53	3
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	61	50	4
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	61	48	5
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	62	46	6
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	44	7
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	41	8
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	36	9
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	28	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	66	19	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	66	10	12
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	67	1.5	13
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	67	0.0	14
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	65	0.0	15
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	16
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	0.0	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	0.0	18
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	0.0	19
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	0.0	20
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	21
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	22
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	23
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	24
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	64	0.0	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	58	64	0.0	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	58	64	0.0	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	64	0.0	28
29	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	64	0.0	29
30	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	62	0.0	30
31	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	59	0.0	31
MEAN	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63.3	16.3	MEAN
MAX.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	67	57	MAX.
MIN.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	0.0	MIN.
AC.FT.	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3894	968	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 38 43	121 33 46	SE 8 9N 4E				JAN 40-DEC 55 JUL 63-DATE	JAN 40-DEC 55 JUL 63-DATE	1940	1955	0.00	USED
								1963		0.00	LOCAL

Plant located 5.7 mi. NW of Sacramento. This is drainage returned to the Sacramento River by pumping and gravity. Additional water is returned by Prichard Lake and Second Bannon Slough Plants. Recorder installed July 17, 1963.

TABLE 88
DAILY MEAN DISCHARGE

SACRAMENTO WEIR SPILL TO YOLO BYPASS

in second-feet

STATION NO.	WATER YEAR
402903	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	0.0	0.0	0.0	0.0	6790	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
3	0.0	0.0	0.0	0.0	72800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
4	0.0	0.0	0.0	0.0	32900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
5	0.0	0.0	0.0	0.0	26200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
6	0.0	0.0	0.0	0.0	8650	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
7	0.0	0.0	0.0	0.0	6430	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
8	0.0	0.0	0.0	0.0	637	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
9	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
14	616	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
15	495	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
16	564	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
17	255	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
18	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
MEAN	72.6	0.0	0.0	0.0	5516	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	835	0.0	0.0	0.0	72800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.	4467				306300								AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE- FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
429	82600	31.83	2	2	0930	0.0		10	1	0000	310800

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
			118000E	32.8	3/26/28	26-DATE					

See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 25.0 ft. USED datum; elevation of movable crest (top of needles) is 31.0 ft. USED datum. There are 48 gates, each 38 ft. in length. 45 gates were opened between 2038 and 2350 hours on Feb. 1. These gates were closed between 1350 hour on Feb. 5 and 1600 hour on Feb. 7. Other discharge listed is leakage through the gates.

TABLE 89
 DAILY MEAN DISCHARGE
 R D 1000 DRAINAGE TO SACRAMENTO RIVER SECOND BANNON SLOUGH
 in second-feet

STATION NO.	WATER YEAR
A02901	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	33	43	28	146	49	121	108	126	27	0.0	38	1
2	0.0	35	0.0	34	96	44	28	46	130	32	0.0	36	2
3	0.0	35	32	0.0	10	57	71	52	204	0.0	0.0	33	3
4	0.0	0.0	0.0	45	358	59	77	66	72	0.0	0.0	134	4
5	0.0	56	33	40	205	0.0	59	0.0	138	0.0	0.0	48	5
6	0.0	0.0	31	0.0	141	0.0	102	56	118	0.0	0.0	56	6
7	0.0	51	0.0	50	111	57	119	0.0	115	0.0	0.0	57	7
8	0.0	21	0.0	0.0	200	66	113	64	115	38	0.0	66	8
9	0.0	18	0.0	49	103	43	111	53	115	0.0	0.0	104	9
10	0.0	35	40	0.0	216	0.0	111	85	173	0.0	0.0	160	10
11	28	0.0	0.0	50	196	48	111	44	144	0.0	0.0	128	11
12	82	0.0	45	19	158	50	111	48	131	0.0	26	190	12
13	666	54	0.0	0.0	389	0.0	112	106	155	0.0	0.0	177	13
14	860	24	0.0	0.0	294	0.0	654	48	131	0.0	0.0	251	14
15	723	0.0	40	26	183	52	783	0.0	146	0.0	0.0	198	15
16	759	0.0	41	43	105	26	426	32	143	0.0	0.0	237	16
17	500	57	105	20	128	30	326	109	135	0.0	0.0	256	17
18	448	0.0	100	32	115	26	149	9.1	60	0.0	27	234	18
19	348	0.0	80	39	107	0.0	157	0.0	81	0.0	0.0	308	19
20	184	0.0	59	0.0	92	53	114	50	131	0.0	0.0	278	20
21	104	49	69	0.0	94	0.0	167	45	80	0.0	0.0	221	21
22	28	0.0	45	34	82	42	114	54	82	0.0	0.0	196	22
23	89	34	50	0.0	74	28	114	54	131	0.0	0.0	163	23
24	67	15	61	0.0	47	0.0	114	43	73	0.0	0.0	181	24
25	55	0.0	34	0.0	84	58	115	50	130	0.0	0.0	159	25
26	55	40	41	38	72	0.0	115	37	38	0.0	0.0	161	26
27	58	0.0	34	0.0	56	122	43	110	26	0.0	0.0	130	27
28	45	34	44	51	46	250	118	92	19	0.0	25	106	28
29	53	0.0	37	18	161	46	111	111	63	0.0	0.0	180	29
30	37	0.0	26	217	160	67	111	111	16	0.0	64	130	30
31	35	39	39	797	797	79	91	91	91	0.0	33	33	31
MEAN	169	19.7	36.4	52.6	140	50.3	162	57.2	107	3.1	5.6	154	MEAN
MAX.	860	57	105	797	389	250	783	111	204	38	64	308	MAX.
MIN.	0.0	0.0	0.0	0.0	10	0.0	28	0.0	16	0.0	0.0	33	MIN.
AC.FT.	10360	1172	2239	3233	7751	3094	9656	3519	6389	192	348	9156	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
78.9	NR					NR					57110

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 36 21	121 31 26	SW22 9N 4E				5/25-10/38					
						1/39-DATE					

Plant located 3.0 mi. NW of Sacramento. Discharge computed from records of operation of pumps. This is drainage returned by pumping. Additional water is returned by Prichard Lake Plant and an undetermined amount by No. 3 Plant.
 # - Irrigation season only.

TABLE 90
DAILY MEAN DISCHARGE

LINDA CREEK NEAR ROSEVILLE

in second-feet

STATION NO.	WATER YEAR
A00040	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	39	64	54	49	1190	81	150	79	41	23	8.2	29	1
2	35	60	50	50	346	76	115	76	37	21	7.6	27	2
3	36	58	68	49	216	76	101	76	32	20	8.7	22	3
4	31	54	65	51	174	72	91	77	32	18	9.3	18	4
5	36	53	56	49	153	73	143	76	28	18	11	25	5
6	34	53	52	51	138	71	999	72	30	19	10	26	6
7	34	53	51	51	127	74	508	70	32	17	6.7	21	7
8	34	52	50	51	121	73	211	84	30	17	3.9	22	8
9	35	51	49	46	129	74	163	104	28	16	6.6	25	9
10	44	51	47	41	179	75	220	100	30	14	12	23	10
11	78	54	47	45	126	72	235	177	30	14	14	22	11
12	359	53	47	42	130	67	147	107	29	13	16	23	12
13	3120	54	47	41	771	61	130	88	31	12	16	36	13
14	1580	53	46	41	291	65	869	80	28	9.5	14	35	14
15	347	53	72	40	163	71	506	72	24	9.0	11	27	15
16	186	51	361	42	136	94	315	68	21	8.6	12	27	16
17	134	51	341	42	123	96	184	64	22	9.8	11	29	17
18	118	51	134	43	114	74	155	60	17	11	12	33	18
19	100	49	94	42	101	65	173	60	15	11	13	32	19
20	89	45	76	42	101	62	154	61	14	9.3	12	36	20
21	90	40	70	43	98	61	145	61	17	9.2	14	35	21
22	85	46	67	42	95	67	125	61	19	10	14	32	22
23	74	46	65	43	91	125	111	60	24	10	18	33	23
24	73	45	62	43	87	130	109	58	24	9.5	23	31	24
25	70	46	57	43	85	88	104	56	23	10	23	31	25
26	70	55	55	45	82	78	106	51	23	10	22	28	26
27	74	112	52	44	95	260	101	49	19	9.0	20	24	27
28	73	75	51	44	85	1020	93	45	21	8.5	21	22	28
29	69	60	49	50	80	246	87	45	24	8.0	22	22	29
30	65	60	51	523	151	83	48	23	23	7.6	22	23	30
31	62		51	1700		139		41		7.3	23		31
MEAN	235	54.9	78.6	114	198	124	221	72.1	25.6	12.6	14.1	27.3	MEAN
MAX.	3120	112	361	1700	1190	1020	999	177	41.0	23.0	23.0	36.0	MAX.
MIN.	31.0	40.0	46.0	40.0	82.0	61.0	83.0	41.0	14.0	7.3	3.9	18.0	MIN.
AC.FT.	14430	3269	4834	6998	11010	7611	13160	4431	1523	172	867	1624	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
97.4		4400	14.02	10	13	2150E	2.5	0.85	8	8	0930	70520

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 44 04	121 18 05	SE10 10N 6E				JUL 49-DATE	JUL 49-DATE	1956		108.65	USCGS
								1956	1957	108.24	USCGS
								1957		108.65	USCGS
								1958		108.43	USCGS
								1963		108.25	USCGS

Station located above So. Pacific Railroad bridge, 0.6 mi. below Auburn Boulevard (old U. S. Highway 99E), immediately SW of Roseville. Also known as "Dry Creek near Roseville." Tributary to Sacramento River via Back Borrow Pit of Reclamation District 1000.

TABLE 91
DAILY MEAN DISCHARGE
INFLOW TO FOLSOM LAKE NEAR FOLSOM

STATION NO.	WATER YEAR
A71120	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	402	1170	1160	1380	153060	2570	6300	9430	9160	1620	445	322	1
2	534	1110	1310	1450	36450	2540	5500	9940	8970	1640	442	376	2
3	543	1100	7410	1520	17670	2380	5170	10860	8000	1630	461	266	3
4	509	1100	5450	1460	12880	2310	4950	10700	6320	1680	435	267	4
5	524	1100	3320	1380	10770	2300	5750	11530	5920	1460	378	342	5
6	592	1060	2580	1370	8950	2260	22020	12520	5790	1520	519	290	6
7	465	1150	2240	1330	7560	2250	30930	12600	5420	1380	480	344	7
8	438	1070	2070	1300	6550	2070	21100	12540	4960	1360	487	396	8
9	423	1070	1860	1300	6100	2260	14460	12390	4530	1480	396	304	9
10	646	1200	1800	1190	5470	2090	12330	10870	5010	1470	500	289	10
11	1220	1530	1700	1140	4710	1750	10480	10080	5290	1440	475	310	11
12	11510	1290	1540	1110	4610	1560	8840	8480	4810	1490	477	345	12
13	54320	1270	1520	958	8090	1540	8550	8040	5020	1260	398	294	13
14	46460	1110	1480	1040	8010	1600	15430	7790	5080	1240	389	477	14
15	9880	1170	2130	1150	5980	1660	17020	8180	5500	964	362	352	15
16	5290	1290	9770	1170	5350	1880	13190	9410	5030	939	374	361	16
17	3820	1140	8570	1150	4790	1840	10660	10330	4820	794	395	354	17
18	3080	1140	5500	1140	4300	1730	9080	11110	5290	876	276	469	18
19	2770	1070	4260	1060	4170	1840	9400	11910	4660	814	401	404	19
20	2450	942	3510	1020	4050	2030	8860	13180	4260	760	331	451	20
21	2320	1040	3170	1040	3780	2010	7950	12490	4190	729	322	613	21
22	1990	1060	2700	1160	3490	2330	6980	12210	3360	663	331	430	22
23	1900	965	2470	1040	3300	3760	6780	11940	2690	696	308	587	23
24	1570	1060	2190	1140	3000	4160	6520	11460	2570	662	332	495	24
25	1660	1050	2020	968	2940	3410	6770	10560	2420	712	252	477	25
26	1600	1140	1850	1060	2890	3110	6720	10050	2510	522	365	548	26
27	1480	1860	1740	976	2730	5500	6240	9610	2480	559	300	651	27
28	1470 A	1800	1770	1080	2590	20640	6020 B	10930	2420	581	311	485	28
29	1310	1420	1630	1170		10330	7100	11900	2320	560	319	411	29
30	1350	1200	1700	4970		7220	8310	10200	1790	510	292	554	30
31	1170		1630	83830		6490		9690		449	317		31
MEAN	5281	1189	2969	3969	12295	3528	10314	10740	4686	1047	383	409	MEAN
MAX.	54320	1860	9770	83830	153060	20640	30930	13180	9160	1680	519	651	MAX.
MIN.	402	942	1160	958	2590	1540	4950	7790	1790	449	252	266	MIN.
ACFT.	324810	70760	182580	244070	682800	216910	613210	660360	278860	64380	23540	24330	ACFT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

‡ - E end *

A - 25 hour day

B - 23 hour day

MEAN DISCHARGE 4678	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 3386610
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B.M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 42 29	121 09 22	NE24 10N 7E				FEB 55-DATE	FEB 55-DATE	1955		0.00	USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account chance in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 mi. NE of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,875 sq. mi.

Folsom Reservoir has a usable capacity of 1,010,300 ac. ft. between elevations 205.5 and 466.0 ft. above mean sea level, practically all of which is available for release. Spillway design flood pool elevation is 475.4 ft. (capacity 1,120,000 ac. ft.)

TABLE 92

DAILY MEAN DISCHARGE
SACRAMENTO RIVER AT SACRAMENTO

STATION NO.	WATER YEAR
A02100	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9970	19400	20100	24400	71100	30300	56800	49200	33300	13100	10400	12500	1
2	9810	18500	19700	24100	94400	29000	52100	47700	32000	13200	10400	12500	2
3	9680	18200	21000	23800	81800 *	28300	47300	46100	29800	13000	10600	12700	3
4	9360	17800	31500	23300	78800	27800	42400	45300	26000	13200	10800	13000	4
5	9330	17600	38000	23100	76400	26800	37800	44500	21000	13200	11100	13400	5
6	9070	17400	36500	22800	68600 *	25800	36600	44200	18800	13200	11500	13400	6
7	8980	17100	32700	22400	63800	23800	55400	44400	18300	13000	11400	13500	7
8	8910	16500	28900	21800	62100	21800	69700	44800	17400	13000	11200	14300	8
9	8720	16200	24100	21600	60500	20200	75200 *	46600	17000	12900	11200	14800	9
10	8840	16000	22500	21200	59100	18600	75200	48500	16600	12900	11300	14800	10
11	9060	16100	21400	20900	57200	17400	74600	49400	16100	12900	11500	15400	11
12	11000	16600	20600	20600	56200	16700	74200	49600	16100	12600	11900	16100	12
13	36000	16100 *	20100	19700	57800	16400	72700	48100	15800	12400	11800	17200	13
14	70400	15600 *	19400	18300	59900	15700	68700	45800	15500	12200	11700	17900	14
15	76200	15600	18500	18200	59200	15700	68600	42600	16300	12300 *	11200	18900	15
16	70500	15500	25000	17900	57100	16300	69000	40100	18100	12200 *	11100	19200	16
17	65500	16000	35500	17300	55300	16500	68600	38700	17900	11800	11300	18800	17
18	60800	15600	44400	16700	53400	17300	67700	38500	17100	11500	11200	18600	18
19	55600	15700	50000	16400	51500	16900	66800	38900	16900	11600	11500	18700	19
20	48700	15700	52600 *	15900	49100	16500	67600	40000	15500	11500	11500	18500	20
21	40800	15500	52300	15700	46300	16000	67200	43000	14600	11600	11400	18300	21
22	34800	15000	49700	15400	43000	16500	66100	43600	14000	11800	11700	18400	22
23	31600	15000	46000	15500	39200	16900	64600	43400	13900	11800	11700	18100	23
24	28300	15100	42200	15100	36100	21100	63000	42500	13600	11400	11800	18000	24
25	25900	15000	38600	14900	35100	23100	61200	40700	13100	11400	11800	17500 *	25
26	24500	15000	35300	15000	33800	22400	60000	39100	13100	11700	11800	17200 *	26
27	23200	15000	32900	14600	32300	22500	58400	37800	13000	11400	12100	16800	27
28	22400	19300	29900	14400	31400	31000	56400	36800	12600	11300	12200	16600	28
29	21300	21700	29100	14700		52600	53800	35400	12300	11000	12200	16100	29
30	20400	21300	25900	19000		59000	51300	36000	12400	10700	12000	15500	30
31	19700		25100	33200		58300		35000		10600	12200		31
MEAN	28690	16700	31920	19290	56090	24430	61630	42780	17600	12140	11470	16220	MEAN
MAX.	76200	21700	52600	33200	94400	59000	75200	49600	33300	13200	10400	19200	MAX
MIN.	8720	15000	18500	14400	31400	15700	36600	35000	12300	10600	12200	12500	MIN.
AC.FT.	1764000	993900	1963000	1186000	3115000	1502000	3667000	2631000	1047000	746600	705100	965000	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN DISCHARGE 28020	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 20290000
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
	98100	28.52	2	1	2130	NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104000	30.14	11/21/50	04-05 6/21-11/21 5/24-12/42 # 5/43-DATE	1/04-7/05 20-DATE	1956	1956	0.12	USCGS
								1956		0.00	USCGS
										2.98	USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence. Records furnished by USGS.

- Irrigation season only

TABLE 93
DAILY MEAN DISCHARGE
MIDDLE CREEK NEAR UPPER LAKE

in second-feet

STATION NO.	WATER YEAR
A81810	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	5.3	5.8	23	1430 *	43	435	66 E	17	5.7E	2.2E	1.6E	1
2	1.0	5.3	254 E	21	638	40	348	64	16	6.4E	2.4E	1.6E	2
3	0.9*	5.1	277 E	19	428 E	37	376	61	15	4.2E	2.2E	1.6E	3
4	0.9	4.9	110 *	18	303 E	36	332	58	15	4.2E	2.2E	1.6E	4
5	0.9	4.5	71	17	234 E	34	349	59	15	4.2E	2.2E	1.6E	5
6	0.9	4.5	55	16	189 E	33	800	54	10 E	4.2E	2.2E	1.2E	6
7	0.8	4.5	42	16	164 E	32	868	52	10 E	4.2E	2.2E	1.2E	7
8	1.0	4.5	34	15	155 E	31	661	51	10 E	4.2E	2.2E	1.2E	8
9	0.9	4.5	29	15	175 E	31	556	46	10 E	4.2E	2.2E	1.2E	9
0	1.1	4.4	25	14	301 E	28	684	52	10 E	4.2E	2.2E	1.2E	10
11	8.6	4.0	21	13	205 E	26	566	58	10 E	4.2E	2.2E	1.2E	11
12	426 E	4.0	19	12	246 E	22	597	48	10 E	4.2E	2.2E	1.2E	12
13	158 #	3.9	59	11	277 E	22	553	46	10 E	4.2E	2.2E	1.2E	13
14	110	3.7	68	10	212 E	25	1100	43	10 E	4.2E	2.2E	1.2E	14
15	52	3.7	276 E	10	176 E	26	869	41	10 E	4.2E	2.2E	1.2E	15
16	30	3.7	228 E	10	153 E	46	618	38 *	10 E	4.2E	2.2E	1.2E	16
17	17	3.7	274 E	9.8	152 E	45	459 *	35	10 E	4.2E	2.2E	1.2E	17
18	13	3.5	207 #	9.6	125 E	35	359	33	10 E	4.2E	2.2E	1.2E	18
19	10	3.5	145	9.1	112 E	33	399	31	10 E	4.2E	2.2E	1.2E	19
20	8.6	3.3*	111	8.5	105	32	340 E	30	5.0#	4.2E	2.2E	1.2E	20
21	7.9	3.2	91	8.3	96	29 *	280 E	29	5.7E	4.2E	2.0#	1.2E	21
22	7.7	3.3	79	8.0*	86	33	230 E	27	5.7E	4.2E	1.6E	1.2E	22
23	7.1	3.1	66	7.6	80	216	200 E	26	5.7E	2.3#	1.6E	1.1#	23
24	7.0	3.0	54	7.4	71	133	170 E	25	5.7E	2.2E	1.6E	0.8E	24
25	0.4	3.0	45	7.8	66	93	160 E	24	5.7E	2.2E	1.6E	0.8E	25
26	6.4	80 E	40	7.6	59	73	140 E	23	5.7E	2.2E	1.6E	0.8E	26
27	0.4	54	34	7.4	53	671	120 E	22	5.7E	2.2E	1.6E	0.8E	27
28	6.1	17	30	7.6	48	916	100 E	21	5.7E	2.2E	1.6E	0.8E	28
29	5.9	8.0	26	8.4		696	90 E	20	5.7E	2.2E	1.6E	0.8E	29
30	5.9	4.8	25	345 E		561	75 E	19	5.7E	2.2E	1.6E	0.8E	30
31	5.4		24	2000 #		530		18		2.2E	1.6E		31
MEAN	29.5	8.8	91.1	86.8	226	149	428	39.4	9.3	3.7	2.0	1.2	MEAN
MAX.	426 c	80.0E	277 E	2000 E	1430	916	1100	66.0E	17.0	6.4E	2.4E	1.6E	MAX.
MIN.	0.8	3.0	5.8	7.4	48.0	22.0	75.0E	18.0	5.0E	2.2E	1.6E	0.8E	MIN.
AC.FT.	1814	523	5603	5340	12570	9140	25460	2420	555	230	123	70	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 63850	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
88.2	4610 E	11.82	1	31	1620		NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
39 10 59	122 54 39	NE1 15N 10W				OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE	1959	1962	1353.6 0.00	USCGS LOCAL	

Station located at Ranchera Road bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake.

TABLE 94

DAILY MEAN DISCHARGE

CLOVER CREEK BYPASS NEAR UPPER LAKE

STATION NO	WATER YEAR
A81940	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	323	1.2	53	9.7	3.5	2.4	0.0	0.0	1
2	0.0	0.0*	6.4E	0.0	94	0.9	39	9.0	3.5	2.2	0.0*	0.0	2
3	0.0*	0.0	4.3E	0.0*	57	0.7	40	8.3	3.1	2.4	0.0	0.0	3
4	0.0	0.0	0.0*	0.0	35	0.4	28	8.0	3.1	2.4	0.0	0.0	4
5	0.0	0.0	0.0	0.0	25	0.3	32	7.7	3.1	2.2	0.0	0.0	5
6	0.0	0.0	0.0	0.0	18	0.4	203	7.4	3.1	2.2	0.0	0.0*	6
7	0.0	0.0	0.0	0.0	14	0.3	238	7.5	2.9	2.4	0.0	0.0	7
8	0.0	0.0	0.0	0.0	15	0.3	142	7.4	2.7	2.4	0.0	0.0	8
9	0.0	0.0	0.0	0.0*	37	0.2	106	7.1	2.7	2.4	0.0	0.0	9
10	0.0	0.0	0.0	0.0	77	0.1	153	8.7	2.7	2.4	0.0	0.0	10
11	7.1E	0.0	0.0	0.0	35	0.1	100	9.2	2.7	2.6	0.0	0.0	11
12	215 E	0.0	0.0	0.0	67	0.1	73	7.4	2.6	2.6	0.0	0.0	12
13	14 E	0.0	0.0	0.0	71	0.0	69	6.2	2.4	2.5	0.0	0.1	13
14	0.0*	0.0	0.0	0.0	42	0.1	227	5.9	2.4	2.6	0.0	0.4	14
15	0.0	0.0	8.6E	0.0	29	0.0	146	5.6	2.1	2.0	0.0	0.4	15
16	0.0	0.0	0.0E	0.0*	22	1.6	97	5.0*	2.1	0.2	0.0	0.3	16
17	0.0	0.0	20 E	0.0	19	0.8	66	4.6	2.1	0.1	0.0	0.0	17
18	0.0	0.0	2.9*	0.0	13	0.3	50	4.4	2.1	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	9.8*	0.5	60	3.9	2.1	0.0	0.0	0.0	19
20	0.0	0.0*	0.0	0.0	7.4	0.5	47	4.2	2.1*	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	5.7	0.4*	39	4.4	1.9	0.0	0.0*	0.1	21
22	0.0	0.0	0.0	0.0*	4.4	1.4	32	4.2	1.6	0.0	0.0	0.3	22
23	0.0	0.0	0.0	0.0	3.7	17	26	4.4	1.7	0.0*	0.0	0.4*	23
24	0.0	0.0	0.0	0.0	2.6	8.7	22	3.9	1.6	0.0	0.0	0.4	24
25	0.0	0.0	0.0	0.0	2.3	5.9	21	3.7	1.7	0.0	0.0	0.4	25
26	0.0	1.5E	0.0	0.0	2.1	3.8	18	4.2	1.9	0.0	0.0	0.4	26
27	0.0	0.0	0.0	0.0	2.0	211	17	4.2	1.9	0.0	0.0	0.4	27
28	0.0	0.0	0.0	0.0	1.2	180	14	4.2	1.7	0.0	0.0	0.4	28
29	0.0	0.0	0.0	0.0	0.0	109	12	4.2	1.7	0.0	0.0	0.4	29
30	0.0	0.0	0.0	120	0.0	85	11	3.5	1.8	0.0	0.0	0.4	30
31	0.0	0.0	0.0	960 *	0.0	76	0.0	3.5	0.0	0.0	0.0	0.0	31
MEAN	7.6	0.1	1.4	34.8	36.9	22.8	72.7	5.9	2.4	1.2	0.0	0.2	MEAN
MAX.	215 E	1.5E	20.0E	960	323	211	238	9.7	3.5	2.6	0.0	0.4	MAX.
MIN.	0.0	0.0	0.0	0.0	1.2	0.0	11.0	3.5	1.6	0.0	0.0	0.0	MIN.
ACFT.	468	3	84	2142	2051	1402	4326	360	140	71	0.0	10	ACFT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 ‡ - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
15.3	2230	6.50	1 31	1430	0.0		10 1	0000	11060

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 10 33	122 54 00	SE 6 15N 9W	2230	6.50	1 31/63	NOV 59-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek.

TABLE 95
DAILY MEAN DISCHARGE
CLOVER CREEK AT UPPER LAKE

STATION NO.	WATER YEAR
A81790	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.6	2.2	7.9	67	11	111	19	3.3	1.3	0.7	0.0	1
2	0.0	1.3	41 E	7.9	50	11	80	17	4.0	1.1	0.2	0.3	2
3	0.0*	1.2	83 E	7.9	44	10	86	16	5.4	1.0	0.7	0.0	3
4	0.0	1.2	11	7.9	40	10	66	15	5.5	1.0	0.2	0.0	4
5	0.0	1.3	3.2	7.6	38	10	71	15	5.7	1.0	0.0	0.0	5
6	1.0	1.3	1.7	7.4	34	11	166 E	14	5.9	1.0	0.6	0.0*	6
7	0.0	1.3	1.2	7.2	30	11	169 E	14	5.6	1.3	0.9	0.0	7
8	0.0	1.3	1.3	7.2	31	11	144	13	5.7	1.3	1.0	0.2	8
9	0.0	1.6	1.4	6.8	32	10	129	12	5.3	1.3	1.3	0.0	9
10	0.0	1.4	1.4	6.5	41	9.8	143	17	3.7	1.3	0.2	0.0	10
11	30	1.4	1.3	6.3	38	9.3	130	17	4.2	1.3	0.0	0.0	11
12	184 E	1.6	1.7	6.5	39	9.1	114	13	4.4	1.3	0.0	0.0	12
13	63 *	1.6	3.7	6.7	40	9.1	118	12	4.0	1.1	0.0	0.0	13
14	37	1.6	3.7	6.5	38	9.7	148 E	11	3.9	1.0	0.0	0.0	14
15	4.8	1.3	108 E	6.5	36	9.5	117	11	3.5	1.0	0.4	0.0	15
16	0.9	1.3	94	6.5	35	15	104	10 *	3.4	2.1	0.8	0.0	16
17	0.5	1.4	166 E	6.3	32	14	93 *	8.7	3.1	1.9	0.8	0.0	17
18	0.6	1.5	92 *	5.9	29	11	81	8.3	2.5	1.4	0.5	0.0	18
19	0.6	1.4	41	5.5	25 *	12	91	7.3	2.1	1.2	0.1	0.0	19
20	0.5	1.3*	26	5.5	23	12	83	6.9	2.2*	1.4	0.0	0.1	20
21	0.6	1.3	20	5.7	20	12 *	73	6.5	2.1	1.2	0.0*	0.1	21
22	0.7	1.6	16	5.5*	19	14	60	6.5	1.9	1.4	0.0	0.0	22
23	0.9	1.7	13	5.3	17	37	51	6.0	1.7	0.8*	0.7	0.0*	23
24	1.0	1.6	11	5.1	16	29	43	5.2	1.8	0.7	0.7	0.0	24
25	1.1	1.6	10	4.9	14	23	41	5.1	1.7	0.8	0.9	0.0	25
26	1.3	36	9.1	4.7	13	20	34	4.8	1.5	0.7	0.1	0.0	26
27	1.3	10	9.6	5.1	12	87	30	4.2	1.4	0.2	0.0	0.0	27
28	1.3	1.9	9.1	5.3	11	88	25	4.0	1.4	0.2	0.0	0.0	28
29	1.4	1.7	8.1	6.3*		72	22	4.0	1.2	1.0	0.0	0.0	29
30	1.6	1.9	7.9	134 E		101	21	3.9	1.3	0.7	0.0	0.0	30
31	1.6		7.9	152 E		137		3.9		0.4	0.0	0.0	31
MEAN	10.8	2.9	26.0	15.2	30.9	27.0	88.1	10.0	3.3	1.1	0.3	0.0	MEAN
MAX.	184 E	36.0	166 E	152 E	67.0	137	169 E	19.0	5.9	2.1	1.3	0.3	MAX.
MIN.	0.0	1.2	1.2	4.7	11.0	9.1	21.0	3.9	1.2	0.2	0.0	0.0	MIN.
AC.FT.	664	173	1600	933	1714	1657	5244	617	197	66	21	1	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET
17.8	276 E	5.15	1	30	1400	0.0		10	1	0000	12890

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 56	122 54 28	NW7 15N 9W	397E	5.83	12/1/61	JAN 60-DATE	JAN 60-DATE	1960		1354.0	USCGS

Station located at wooden bridge, 0.5 mi. above confluence with Middle Creek, 1.0 mi. below bypass channel. Tributary to Clear Lake via Middle Creek. For total contribution of Clover Creek to Clear Lake add to Clover Creek Bypass near Upper Lake. Flow partially controlled by head gates.

TABLE 96
DAILY MEAN DISCHARGE
SCOTT CREEK NEAR LAKEPORT

STATION NO.	WATER YEAR
A81850	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.2	5.7	14	1400 #	31	344	61	13	0.0	0.0	0.0	1
2	0.0*	1.3	181	13	446	30	243	58	12	0.0*	0.0*	0.0	2
3	0.0	1.3	244	13	259	29	255	56	10	0.0	0.0	0.0	3
4	0.0	1.4	46	12	171	27	202	54	9.9	0.0	0.0	0.0	4
5	0.0	1.4	22	10	131	26	205	56	9.6	0.0	0.0	0.0	5
6	0.0	1.4	13	9.9	105	27	680	50	8.5	0.0	0.0	0.0*	6
7	0.0	1.4	8.7	10	88	28	793	51	7.2	0.0	0.0	0.0	7
8	0.0	1.5	7.2	9.6	96	27	666	48	5.8	0.0*	0.0	0.0	8
9	0.0	1.7	5.1	9.6	283	31	566	43	5.3	0.0	0.0	0.0	9
10	0.0	1.7	4.1	9.1*	406	25	770	59	4.4	0.0	0.0	0.0	10
11	0.0	1.7	3.6	8.3	252	23	564	65	3.4	0.0	0.0	0.0	11
12	345	1.8	3.7	6.4	426	22	495	48	2.6	0.0	0.0	0.0	12
13	251 *	1.8	184	6.9	490	21	459	42	2.5	0.0	0.0	0.0	13
14	144	1.8	144	7.5	294	26	1040	38	2.1	0.0	0.0	0.0	14
15	34	2.0	471	7.0	187	29	698	36 *	1.8	0.0	0.0	0.0	15
16	13	2.0	369	7.1	141	56	476 *	36	1.4	0.0	0.0	0.0	16
17	6.3	2.0	475	6.7	110	54	339	31	1.1	0.0	0.0	0.0	17
18	3.7	2.0	301 *	7.3	88	41	253	30	0.6	0.0	0.0	0.0	18
19	2.2	2.0	140	6.1	75	34	255	27	0.3	0.0	0.0	0.0	19
20	1.2	2.0*	85	5.6	66	31 *	214	25	0.3*	0.0	0.0*	0.0	20
21	1.1	2.1	60	6.6*	57	27	190	24	0.2	0.0	0.0	0.0	21
22	1.0	1.7	45	6.5	51	46	162	24	0.2	0.0	0.0	0.0	22
23	1.0	1.3	39	6.0	45	276	139	24	0.2	0.0	0.0	0.0*	23
24	0.9	1.4	31	6.3	41	143	119	23	0.2	0.0*	0.0	0.0	24
25	0.9	1.3	26	6.1	40	95	117	21	0.1	0.0	0.0	0.0	25
26	1.0	142	22	5.7	36	75	105	20	0.0	0.0	0.0	0.0	26
27	1.0	52	20	5.6	34	1080 E	88	18	0.0	0.0	0.0	0.0	27
28	1.1	11	17	5.7	32	983	80	17	0.0	0.0	0.0	0.0	28
29	1.2	6.7	16	18 *	652	73	17	17	0.0	0.0	0.0	0.0	29
30	1.3	5.2	15	14.20 E	587	67	15	15	0.0	0.0	0.0	0.0	30
31	1.2		16	3240 E	497		13	13	0.0	0.0	0.0	0.0	31
MEAN	26.2	8.6	97.4	158	209	164	355	36.5	3.4	0.0	0.0	0.0	MEAN
MAX.	345	142	475	3240 E	1400 E	1080 E	1040	65.0	13.0	0.0	0.0	0.0	MAX
MIN.	0.0	1.2	3.6	5.6	32.0	21.0	67.0	13.0	0.0	0.0	0.0	0.0	MIN.
ACFT.	1611	512	5990	9730	11600	10070	21140	2241	204				ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET			
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME	
87.2	6500	E	14.02	1	31	1530	0.0		10	1	0000	63100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 03 43	122 56 49	SW14 14N 10W				OCT 48-SEP 53 MAR 59-DATE	OCT 48-DATE			0.00	LOCAL

Station located 100 ft. above Hartley Cemetery Road bridge, 0.8 mi. NW of Lakeport. Tributary to Clear Lake via Middle Creek. Drainage area is 52.3 sq. mi.

TABLE 97
DAILY MEAN DISCHARGE
COPSEY CREEK NEAR LOWER LAKE

STATION NO.	WATER YEAR
AB1360	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.2	1.1	2.0	246	5.4	32	9.6	1.9	0.7	0.5	0.2	1
2	0.0*	1.1	1.4	2.1	63	5.5	24	9.1	1.7	0.9	0.4	0.2	2
3	0.0	1.0	1.8	1.9	37	5.2	23	8.7	1.6	1.0	0.4	0.2	3
4	0.0	1.1	1.5	1.7	24	4.8	20	7.9	1.7	0.9	0.4	0.1	4
5	0.0	1.1	1.4	1.7	17 E	4.6	20	8.9	1.7	0.8	0.4	0.2	5
6	0.0	1.0	1.4	1.7	14 E	5.0	165	7.8	1.6	0.8	0.3	0.3	6
7	0.4	1.0	1.4	1.6	13 E	4.8	97	6.9	1.5	0.6	0.4	0.2	7
8	0.6	0.9	1.3	1.6	18	4.9	54	7.0	1.3	0.5	0.3	0.2	8
9	0.7	1.0	1.2	1.6	91	5.0	49	6.6	1.3	0.6	0.4	0.0	9
10	1.3	0.9	1.2	1.4	75	4.3	111	11	1.3	0.5	0.1	0.1	10
11	8.5	0.8	1.2	1.3	30	4.1	60	9.5	1.2	0.2	0.0	0.2	11
12	497	0.9	1.2	1.3	224	3.8	61	6.4	1.3	0.3	0.0	0.2	12
13	160 *	1.1	4.3	1.3	139	3.3	129	5.5	1.1	0.2	0.0	0.2	13
14	36	1.0	7.4	1.4	45	3.7	358	4.5	1.1	0.3	0.0	0.2	14
15	7.3	0.8	84	1.4	30	3.8	115	4.2*	1.1	0.2	0.1	0.2	15
16	3.0	0.7	97	1.4	23	14	62 *	3.7	1.1	0.2	0.0	0.3	16
17	1.9	0.7	135	1.4	18	6.3	50	3.5	1.0	0.2	0.0	0.3	17
18	1.5	0.8	40	1.4	16	4.8	40	3.4	1.0	0.2	0.0	0.4	18
19	1.3	0.8*	16 *	1.2	13	4.3	38	3.6	1.0	0.2	0.0	0.4	19
20	1.2	0.9	8.7	1.3	12	3.8*	35	3.2	1.0	0.1	0.1*	0.4	20
21	1.1	1.0	6.3	1.4*	10	3.7	31	3.3	1.1*	0.2	0.0	0.4	21
22	1.1	1.2	5.2	1.4	8.8	6.6	26	3.2	0.9	0.2	0.0	0.4	22
23	1.1	1.2	4.3	1.3	8.7	11	22	3.2	0.9	0.4*	0.0	0.3*	23
24	1.1	1.1	3.2	1.3	8.1	6.6	19	2.7	1.0	0.4	0.1	0.2	24
25	1.3	1.0	2.7	1.3	7.3	5.4	23	2.6	0.9	0.5	0.1	0.2	25
26	1.2	3.9	2.7	1.3	6.7	5.1	19	2.8	0.8	0.6	0.1	0.1	26
27	1.0	2.7	2.1	1.3	6.2	284	15	2.9	0.8	0.5	0.1	0.1	27
28	1.0	1.5	2.3	1.3	5.7	97	14	2.8	0.8	0.5	0.1	0.1	28
29	1.0	1.2	2.3	20		94	12	2.7	0.9	0.4	0.2	0.1	29
30	1.0	1.2	2.3	813 E		58	11	2.5	0.8	0.4	0.3	0.1	30
31	1.0		2.0	1140 E		42		2.3		0.5	0.3		31
MEAN	23.6	1.2	14.3	65.0	43.2	23.1	57.8	5.2	1.2	0.5	0.2	0.2	MEAN
MAX.	497	3.9	135	1140 E	246	284	358	11.0	1.9	1.0	0.5	0.4	MAX.
MIN.	0.0	0.7	1.1	1.2	5.7	3.3	11.0	2.3	0.8	0.1	0.0	0.0	MIN.
AC.FT.	1453	69	800	3995	2399	1418	3441	321	70	28	10	13	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
19.5	2340	E 14.15	1	30	1330	0.0		10	1	0000	14100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 53 21	122 35 47	NE14 12N 7W	2340E	14.15	1/30/63	JAN 60-DATE	JAN 60-DATE	1960		0.00	LOCAL

Station located 75 ft. below Spruce Grove Road bridge, 1.7 mi. SE of Lower Lake. Tributary to Cache Creek. Drainage area is 13.2 sq. mi.

TABLE 98

DAILY MEAN DISCHARGE

BEAR CREEK NEAR RUMSEY

in second-feet

STATION NO.	WATER YEAR
AB1250	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	3.3	4.5	11	1120 #	31	66	47	17	5.0	2.4	2.0	1
2	1.4*	3.3	4.2	10	196 E	29	57	45	16	4.6	2.4	2.0	2
3	1.5	3.3	5.8	10	122 #	28	53	43	15	4.8	2.5	1.7	3
4	1.5	3.2	5.6	9.9	88 E	26	52	41	15	4.6	2.2	1.7	4
5	1.5	2.9	4.8	9.6	71	25	49	41	15	4.8	2.7	1.8	5
6	1.5	2.8	4.8	9.3	59	25	157	38	15	4.9	2.3	1.7	6
7	1.5	2.8	4.4	8.7	52 *	27	431	37	14	4.9	2.2	1.8	7
8	1.5	2.8	4.1	8.7	50	25	132	37	14	4.2	2.2	1.8	8
9	1.5	2.8	4.1	8.7	119	28	90	41	13	4.0	2.5	1.6	9
10	2.3	2.8	3.9	8.7	401	25	157	41	12	4.0	2.3	1.5	10
11	5.9	2.8	3.9	8.2	117	23	100	52	12	3.9	2.3	1.6	11
12	1440 E	2.8	4.2	5.6	415	22	86	50	12	4.0	1.8	1.8	12
13	671	2.8	4.7	7.2	531	20	159	40	12	3.8	1.9	1.9	13
14	139 E	2.8	6.5	8.0	149	21	915	39	11	4.4	1.9	1.9	14
15	32 E	2.8	11	7.5	108	22	318	32 *	11	3.1	1.7	1.8	15
16	16 E	2.8	43	7.6	91	31	176 *	29	11	2.9	1.6	1.6	16
17	12 E	3.0	233	7.6	83	35	135	26	9.9	3.1	1.7	1.8	17
18	9.6	3.0	132 *	7.6	68	23	115	26	9.4	3.2	1.6	1.7	18
19	7.4	3.0*	44	7.2	61	20	127	25	7.4	2.9	1.4	1.9	19
20	6.2	3.0	28	6.3	56	20 *	103	23	7.6*	2.9	1.6*	2.0	20
21	5.3	3.2	21	6.2*	52	20	95	23	7.2	2.9	1.8	2.0	21
22	4.7	3.3	18	6.9	47	20	83	24	7.3	2.7	2.0	1.8	22
23	4.2	3.3	17	6.6	43	32	73	23	9.5	2.6*	2.1	1.9*	23
24	3.9	3.3	16	7.4	40	28	68	23	9.4	2.7	2.0	1.9	24
25	3.9	3.3	14	6.9	37	22	81	22	6.7	2.4	2.2	1.8	25
26	3.9	3.7	13	6.6	36	21	96	21	6.6	2.4	2.0	1.9	26
27	3.9	7.5	12	6.6	33	407	67	40	5.5	2.2	1.8	1.8	27
28	3.7	7.6	12	6.9	31	497	60	20	5.1	2.3	1.8	1.7	28
29	3.6	5.5	11	10	10	158	54	18	5.4	2.4	1.7	1.7	29
30	3.6	4.6	10	1150 E	118	118	50	18	5.4	2.5	1.9	1.7	30
31	3.4		11	2940 E	87	87		17		2.4	2.0		31
MEAN	77.4	3.5	23.0	139	153	61.8	140	31.7	10.6	3.5	2.0	1.8	MEAN
MAX.	1440 E	7.6	233	2940 E	1120 E	497	915	52.0	17.0	5.0	2.7	2.0	MAX.
MIN.	1.4	2.8	3.9	5.6	31.0	20.0	49.0	17.0	5.1	2.2	1.4	1.5	MIN.
ACFT.	4758	206	1411	8572	8481	3800	8340	1952	630	213	124	107	ACFT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 ‡ - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 38590		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
53.3	5600	E	9.95	1	31	1500	0.7	1.2	8	19	1940

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 56 41	122 20 44	SW 30 13N 4W	8100E	12.33	2/24/58	SEP 55-DATE	SEP 55-DATE	1955		0.00	LOCAL

Station located 7.3 mi. NW of Rumsey, 1.4 mi. above mouth. Tributary to Cache Creek. Drainage area is 96.8 sq. mi.

TABLE 99

DAILY MEAN DISCHARGE
CACHE CREEK ABOVE RUMSEY

STATION NO.	WATER YEAR
181200	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	85	48	53	112	11000 E	261 E	4540 E	1400 E	471	475	432	301	1
2	73 *	43	49	107	3950 E	242 E	4290 E	1250	459	477	405	293	2
3	68	43	215	95	2250 E	225 E	4050 E	1210	442	496	387	280	3
4	71	43	237	95	1780	212 E	3820 E	339	433	495	368	287	4
5	64	42	160	92	1600	201	3770 #	336	412	475	333	317	5
6	79	42	121	87	705	192	4500 E	339	411	443	344 *	335	6
7	84	41	97	84	581	183	5940 E	316	403	431	365	317	7
8	87	41	87	83	523	180	5120 #	301	403	432	424	307	8
9	81	40	78	76	550	179	4650	304	427	413	446	305	9
10	82	40	67	76	1300 E	177	5100	291	438	397	436	302	10
11	98	37	65	71	900 E	164	4560 E	345	437	402	394	302	11
12	4510	36	62	68	800 E	156	4340 E	338	437	410	391	289	12
13	4250	36	63	61	2500 E	154	4420 E	290	434	434	403	248	13
14	1040 *	35	130	60	1240 E	144	8080 E	280	429	438	436	201	14
15	435	33	274	60	957 E	149	6280 E	261 *	431	434	436	171	15
16	267	34	796	60	809 E	174	5350 E	256	435	396	429	158	16
17	194	32	1280 E	60	695 E	216	4760	251	457	399	419	156	17
18	157	31	908 E	58	607 E	177	4350	281	470	409	379	151	18
19	130	29 *	491 #	55	540 E	157	4260	289	475	414	370	151	19
20	107	29	358 E	54	488 E	145 *	3950	298	470 *	416	361 *	146	20
21	102	28	304	52 *	442 #	144	3880 E	348	473	428	364	140	21
22	87	28	250	53	399 E	189	3740 E	361	500	433	367	127	22
23	79	28	220	55	364 E	1270	3570 E	443	544	434 *	372	125 *	23
24	72	28	196	56	344 E	1300 E	3260 E	496	542	433	361	132	24
25	69	28	174	57	328 E	900 E	3250 E	498	547	429	325	136	25
26	67	29	160	58	310 E	818 E	3000 E	493	547	425	343	154	26
27	63	125	146	54	289 E	3720 E	700 E	488	547	397	366	159	27
28	59	124	137	54	277 E	7050 E	500 E	483	544	381	367	175	28
29	54	78	125	59	125	5260 E	450 #	481	515	377	362	177	29
30	51	62	115	4200	5000 E	800 E	478	512	381	336	183	30	30
31	50	113	14600 E	4720 E	4720 E	475	475	401	426	496	329	218	31
MEAN	410	43.8	243	671	1305	1099	3976	452	468	426	382	218	MEAN
MAX.	4510	125	1280 E	14600 E	11000 E	7050 E	8080 E	1400 E	547	496	446	335	MAX.
MIN.	50.0	28.0	49.0	52.0	277 E	144	450 E	251	403	377	325	125	MIN.
AC.FT.	25220	2604	14940	41280	72450	67560	236600	27810	27860	26190	23500	12940	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E end *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
800	26700 E	18.30E	1	31	2100E	NR						578900

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 54 47	122 16 14	SE 2 12N 4W	26700E	18.30E	1/31/63	OCT 59-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mi. below State Highway 16 bridge, 2.5 mi. NW of Rumsey. Flow regulated by Clear Lake. Record listed is not considered to have the same degree of accuracy as other records published in this report. Drainage area is 729 sq. mi.

TABLE 100
DAILY MEAN DISCHARGE
POPE CREEK NEAR POPE VALLEY

STATION NO	WATER YEAR
A95010	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	8.1	9.5	28	2350	51	220	83	22	5.4	2.3	0.8	1
2	0.0	7.7	11	27	599	49	182	75	20	5.5	2.4	0.6	2
3	0.0	7.3	207	26	365	46	155	71	18	5.5	2.6	0.6	3
4	0.0	7.0	56	24	248	43	134	68	17	5.4	2.6	0.6*	4
5	0.0	6.9	34	22	195	40	156	68	17	5.3	2.4	0.7	5
6	0.0	6.6	25	21	152 *	41	1210	63	16	5.2	2.3	0.8	6
7	0.0	6.6	20	20	129	40	683	61	15	5.0	2.1	0.8	7
8	0.0	6.6*	17	19	138	38	387	61	14	4.8	2.4	0.8	8
9	0.0	6.9	15	19	365	40	287	60	14	4.8	2.7	0.7	9
10	0.0	6.3	14	18	473	36	407 *	72	13	4.7	3.0	0.8	10
11	59	6.0	13	17	221	34	277	94	12	4.4	2.9	0.8	11
12	2450	5.7	12	15	662	32	212	71	12	4.2	2.6	0.9	12
13	2380	5.6	14 *	15	697	31	300	59	12	3.8	2.4	1.1	3
14	491	5.4	32	15	330	33	1290	55 *	11	3.7	2.1	1.1	4
15	140	5.1	409	15 *	239 *	35	701	52	11	3.8	1.9	1.0	15
16	65	4.9*	368	15	194	156	419	48	9.8	3.7	1.9	1.0	16
17	A1 *	5.2	1480	14	160	100	292	44	9.3	3.6*	1.9	0.9	17
18	29	5.1	542	14	134	63	222	40	8.1	3.6	2.0	1.0	18
19	22	4.7	240	13	119	52	283	39	8.1	3.5	1.8	1.1	19
20	18	4.7	151	13	104	45 *	324	36	7.5	3.4	1.7	1.1	20
21	17	4.7	104	13	95	40	262	34	7.4	3.5	1.6	1.1	21
22	15	4.7	81	13	86	46	192	34	7.2	3.4	1.5	1.3	22
23	13	4.9	68	13	77	99	162	33	6.8	3.3	1.5*	1.3	23
24	12	4.9	56	13	73	69	142	32	6.8*	3.0	1.6	1.3	24
25	11	4.7	48	12	68	51	151	31	6.9	2.8	1.3	1.2	25
26	11	29	41	12	63	45	146	30	6.5	2.9	1.2	1.4	26
27	11	57	38	12	59	1320	120	28	6.0	2.4	1.1	1.3	27
28	9.8	18	35	12 *	55	1090	108	27	5.9	2.3	1.1	1.3	28
29	9.7	13	32	18		499	97	26	5.6	2.6	1.0	1.3	29
30	9.5	10	30	3010 *		341	88	25	5.7	2.7	0.9	1.2	30
31	8.7		29	8630 E		278		23		2.4	0.9		31
MEAN	188	9.1	137	391	301	158	320	49.8	11.1	3.9	1.9	1.0	MEAN
MAX.	2450	57.0	1480	8630 E	2350	1320	1290	94.0	22.0	5.5	3.0	1.4	MAX.
MIN.	0.0	4.7	9.5	12.0	55.0	31.0	88.0	23.0	5.6	2.3	0.9	0.6	MIN.
ACFT.	11550	542	8393	24060	16720	9685	19060	3060	658	239	118	59	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 94140
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
130	18000	E	19.79	1 31 1440	0.0		10 1 0000		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 37 54	122 19 56	SW17 9N 4W	18000E	19.79	1 31/63	DEC 60-DATE	DEC 60-DATE	1960		0.00	LOCAL

Station located 0.2 mi. above spillway elevation of Lake Berryessa, 5.2 mi. E of Pope Valley.
Tributary to Lake Berryessa. Drainage area is 78.3 sq. mi.

TABLE 101

DAILY MEAN DISCHARGE

PLEASANTS CREEK NEAR WINTERS

STATION NO.	WATER YEAR
191160	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.1*	0.5	1.2	380 *	7.1	26	15	3.7	1.5	0.1	0.0	1
2	0.0	0.0	0.6	1.2	78	6.7	21	14 *	3.6	1.4*	0.1*	0.0	2
3	0.0	0.0	4.2	1.1	47 *	6.1	19	13	3.3*	1.5	0.2	0.0	3
4	0.0	0.0	1.5	1.2	33	5.9	17	12	3.2	1.5	0.2	0.0	4
5	0.0	0.0*	0.9*	1.2	25	5.8*	17	11	3.2	1.4	0.2	0.0	5
6	0.0	0.0	0.7	1.2	20	5.8	99	11	3.0	1.4	0.2	0.0	6
7	0.0	0.0	0.6	1.2	17	5.5	70	11	3.0	1.4	0.1	0.0	7
8	0.0	0.0	0.5	1.2	15	5.1	42	10	2.9	1.3	0.1	0.0	8
9	0.0	0.0	0.5	1.3	44	4.8	34	9.7	2.7	1.2	0.1	0.0	9
10	0.0	0.0	0.4	1.2	58	5.0	53 *	11	2.6	1.2	0.1	0.0	10
11	0.0	0.0	0.4	1.0	26	4.8	38	10	2.6	1.1	0.1	0.0	11
12	114	0.0	0.5	1.0	62	4.4	30	9.0	2.5	0.9	0.1	0.0	12
13	238	0.0	0.5	1.1	72	4.1	43	8.0	2.4	0.9	0.1	0.0	13
14	41	0.1	0.5	1.1	37	4.3	183	7.1	2.5	0.8	0.1	0.0	14
15	4.3	0.0	4.3	1.0*	29 *	4.2	79	6.6	2.4	0.7	0.1	0.0	15
16	1.7	0.0*	5.6	1.1	25	16	60	5.9	2.3	0.8	0.1	0.0	16
17	1.0	0.1	45	1.0	21	7.3	49	5.7	2.2	0.7	0.1	0.0	17
18	0.8	0.1	14 *	1.0	18	4.8	40	5.3	2.0	0.7	0.1	0.0	18
19	0.6*	0.1	3.8	1.0	16	4.2	48	4.8	2.0	0.7	0.0	0.0	19
20	0.6*	0.1	2.6	0.9	15	4.1	42	4.7	2.0	0.7	0.0	0.0	20
21	0.5	0.2	2.1	0.9	13	3.8	38	4.6	1.9	0.7	0.0	0.0	21
22	0.5*	0.2	1.9	0.9	12	9.5	32	4.8	2.0	0.5	0.0	0.0	22
23	0.4	0.2	1.7	0.9	11	44	29	4.7	2.0	0.5	0.0	0.0	23
24	0.4*	0.2	1.6	0.9	10	10	25	4.5	1.9	0.4	0.0	0.0	24
25	0.4	0.2	1.5	0.9	10	6.6	34	4.3	1.8	0.4	0.0	0.0	25
26	0.4	0.4	1.6	0.9	9.2	5.9	30	4.1	1.7	0.4	0.0	0.0	26
27	0.5	1.3	1.5	0.9	8.8	107	23	3.9	1.5	0.3	0.0	0.0	27
28	0.6	0.6	1.4	0.9	8.2	144	20	3.7	1.6	0.3	0.0	0.0	28
29	0.6	0.5	1.4	4.0	66	19	3.6	3.6	1.7	0.2	0.0	0.0	29
30	0.5*	0.4	1.4	605 E	40	17	3.6	3.6	1.6	0.2	0.0	0.0	30
31	0.3		1.3	1660 F	32		3.6			0.2	0.0		31
MEAN	13.1	0.2	3.4	74.1	40.0	18.9	42.6	7.4	2.4	0.8	0.1	0.0	MEAN
MAX.	238	1.3	45.0	1660 E	380	144	183	15.0	3.7	1.5	0.2	0.0	MAX.
MIN.	0.0	0.0	0.4	0.9	8.2	3.8	17.0	3.6	1.5	0.2	0.0	0.0	MIN.
AC.FT.	807	10	208	4559	2222	1160	2533	457	142	51	4		AC.FT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME		
16.8	3780	E	12.36	1 31 1730	0.0		10 1 0000	12150	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 28 40	122 01 43	SE 1 7N 2W	4000E	14.78	2/16/59	NOV 51-JUN 54 OCT 57-DATE	NOV 51-JUN 54 OCT 57-DATE	1957		150.33	USCGS

Station located 1.0 mi. above mouth, E of Pleasants Valley Road, 4.4 mi. SW of Winters. Tributary to Yolo Bypass via Putah Creek. Drainage area is 15.9 sq. mi.

TABLE 102
DAILY MEAN DISCHARGE
PUTAM CREEK BELOW WINTERS

STATION NO.	WATER YEAR
A09160	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.0*	9.1*	65	1220	34	33	219	60	56	38	0.0	1
2	0.0	0.0	23	64	204	34	30	210	59	54	40	0.0	2
3	0.0	0.0	23	57	92	33	34	241	58	52	39	0.0	3
4	0.0	0.0	13	55	63	31	32	339	57	52	39	0.0	4
5	0.0	0.0	5.5*	58	57	25	32	612	56	55	37	13	5
6	0.0	0.0	2.6	59	56	31	64	542	55	54	31	17	6
7	0.0	0.0	1.3	60	43	31	144	518	55	53	28	17	7
8	0.0	0.0	0.4	60	41	33	72	479	54	50	28	18	8
9	0.0*	0.0	0.0	59	46	34	67	485	55	53	27	17	9
10	0.0	0.0	0.0	58	104	34	47	489	52	51	27	10	10
11	0.0	0.0	0.0	55	120	35	69	505	51	48	26	9.3	11
12	0.0	0.0	0.0	51	64	38	38	547	51	48	26	10	12
13	694	0.0	0.0	50	292	38	33	325	54	48	29	9.9	13
14	428	0.0	0.0	49	102	40	506	271	54	46	35	9.5	14
15	59	0.0	0.0	34	67	39	198	490	54	49	36	9.1	15
16	11	0.0*	0.0	20	61	44	123	447	53	46	36	8.5	16
17	1.2	0.0	3.5	18	56	40	97	425	53	46	36	3.5*	17
18	0.1	0.0	35	24	43	37	75	382	52	47	36	0.1	18
19	0.0	0.0	16	35	37	33	76	346	53	46	37	0.0	19
20	0.0	0.0	26	37	34	29	120	293	54	47	37	0.0	20
21	0.0	0.0	111	36	32	33	177	252	53	48	37	0.0	21
22	0.0	0.0	104	38	32	34	303	209	53	46	37	0.0	22
23	0.0	0.0	93	41	32	30	360	191	52	34	39	0.0	23
24	0.0	0.0	79	43	32	28	423	181	54	32	40	0.0	24
25	0.0	0.0	72	14	34	26	503	135	54	31	40	0.0	25
26	0.0	0.0	73	16	33	24	618	95	55	31	36	0.0	26
27	0.0	0.0	73	26	33	32	608	76	56	34	5.7	0.0	27
28	0.0	0.0	74	38	32	486	622	71	56	32	1.0	0.0	28
29	0.0	0.0	73	38	200	631	631	72	54	33	0.0	0.0	29
30	0.0	0.0	68	1370	86	457	63	63	54	37	0.0	0.0	30
31	0.0	0.0	65	3600	63	63	61	61	38	38	0.0	0.0	31
MEAN	38.5	0.0	33.7	201	109	56.0	220	309	54.4	45.1	29.2	5.1	MEAN
MAX.	694	0.0	111	3600	1220	486	631	612	60.0	56.0	40.0	18.0	MAX.
MIN.	0.0	0.0	0.0	14.0	32.0	24.0	30.0	61.0	51.0	31.0	0.0	0.0	MIN.
ACFT.	2367		2070	12350	6073	3441	13080	18960	3235	2771	1792	301	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
91.8	5960	13.07	1	31	1540	0.0		10	1	0000	66460

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 31 47	121 55 21	NE24 8N 1W	7980	12.82	2/16/59	OCT 57-DATE	OCT 57-DATE	1957		75.06	USCGS

Station located at Boyce Orchard, 2.7 mi. E of Winters.

TABLE 103

DAILY MEAN DISCHARGE

PUTAH CREEK ABOVE DAVIS

STATION NO	WATER YEAR
A09145	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.0*	0.0*	60	1600 □	37	37	239	66	60	34	0.3	1
2	0.0	0.0	0.0	61	281	36	33	199 *	66	59 *	35 *	0.3	2
3	0.0	0.0	18	58	115	35	35 *	222	64 *	58	35	0.3*	3
4	0.0	0.0	14	56	76	34	35	267	64	58	35	0.3	4
5	0.0	0.0	2.6*	57	63	23 *	36	561	63	57	34	0.2	5
6	0.0	0.0	0.7	58	65	35	56*	510	61	56	30	12	6
7	0.0	0.0	0.0	58	53	30	152	492	61	56	25	15	7
8	0.0	0.0	0.0	58	49	35	83	480	60	54	25	17	8
9	0.0	0.0	0.0	58	51	36	80	479 *	60	57	24	18	9
10	0.0	0.0	0.0	58	109	36	46	482	58	54	24	10	10
11	0.0	0.0	0.0	57	157	36	79	491	58	50	23	7.1	11
12	0.0	0.0	0.0	54	71	38	48	522	57	48	22	5.4	12
13	460	0.0	0.0	51	311 *	37	41	355 *	59	47	24	7.7	13
14	568	0.0	0.0	51	135	39	510 E	242 *	58	46	32	8.8	14
15	73	0.0	0.0	42 *	74	40	235	481 *	58	46	33	9.0	15
16	6.5	0.0*	0.0	26	66	44	144	444	58	45	33	8.2	16
17	0.0*	0.0	0.0	23	61	40	115	421	58	44	34	6.4*	17
18	0.0	0.0	11 *	27	50	38	87	382	56	44	33	2.6	18
19	0.0	0.0	13	39	44	36	86	350	56	44	33	1.7	19
20	0.0	0.0	11	40	40	33	136	306	56	44	34	1.6	20
21	0.0	0.0	90	40	39	33	194	265	56	43	34	1.8	21
22	0.0	0.0	103	40	38	38	307	224	56	43	35	1.5	22
23	0.0	0.0	86	44	38	34	355	204	56	33	37	0.4	23
24	0.0	0.0	77	46	38	31	415	201	55	30 *	36	0.9	24
25	0.0	0.0	68	22	38	29	479	153	56	29	37	0.9	25
26	0.0*	0.0	68	21	38	27	576	113	58	29	37	0.9	26
27	0.0	0.0	68	24	37	35	582	88	58	31	12	0.6	27
28	0.0	0.0	68	43	37	411 E	594	62	59	31	1.3	0.7	28
29	0.0	0.0	69	46	219	601	82	69	59	30	0.7	0.7	29
30	0.0	0.0	64	1100 E	88	454	70	59	34	0.4	0.4	0.5	30
31	0.0	0.0	60	3800 E	68	68	68	68	35	0.3	0.3	0.3	31
MEAN	35.7	0.0	28.8	201	135	55.8	221	307	59.0	45.0	26.9	4.9	MEAN
MAX.	568	0.0	103	3800 E	1600 E	411 E	601	561	66.0	60.0	38.0	18.0	MAX.
MIN.	0.0	0.0	0.0	21.0	37.0	23.0	33.0	68.0	55.0	29.0	0.3	0.2	MIN.
AC.FT.	2197		1768	12330	7486	3433	13150	16660	3509	2767	1656	290	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
93.2	6320	E	14.96	1	31	1730	0.0		10	1	0000	67450

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 32 13	121 51 00	SW15 8N 1E	8260	15.53	2/16/59	5/52-11/53# 10/57-DATE	5/52-11/53# 10/57-DATE	1957		47.52	USCGS

Station located at Stevenson Road bridge, 6.0 mi. W of Davis. Tributary to Yolo Bypass via South Fork Putah Creek.

- Irrigation season only

TABLE 104
DAILY MEAN DISCHARGE
SOUTH FORK PUTAH CREEK NEAR DAVIS

STATION NO.	WATER YEAR
A09115	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0*	0.4	0.0*	47	2010 E	21	32	247	56	53	22	0.1*	1
2	0.0	0.3	0.0	49	307	20	21	197 *	54	56 *	29 *	0.1	2
3	0.0	0.1	0.2	46	97 *	19	23 *	227	51 *	50	29	0.0*	3
4	0.1	0.0	0.1	41	61	19	23	248	50	53	28	0.0	4
5	0.3	0.2	0.2	41 E	39	11 *	25	574	52	48	27	0.0	5
6	0.1	0.2	0.1	45 E	42	19	28	514	49	55	17	0.0	6
7	0.1	0.3*	0.2	44 E	35	14	138	503	48	55	10	0.0	7
8	0.2	0.2*	0.0	44 E	26	18	87	469	46	53	15	0.0	8
9	0.2	0.2	0.0	45 E	27	20	74	472	47	57	15	2.8	9
10	0.2	0.0	0.1	43	63	20	34	472	47	54	16	5.2	10
11	0.3	0.0	0.1	42	139	21	68	477	51	41	15	2.3	11
12	1.0	0.1	0.1	42	61	23	44	506	51	38	7.1	0.5	12
13	112	0.2	0.1	37	275 *	23	30	387	53	43	7.7	6.4	13
14	464	0.2	0.1	37	149	24	492	192	51	40	20	4.1	14
15	90 E	0.1	0.0	33 *	64	25	269	471 *	51	30	25	0.7	15
16	10 E	0.2	0.0	16	50	28	150	443	50	28	21	0.7	16
17	0.3E	0.1	0.1	10 *	44	26	112	419	49	29	25	0.6*	17
18	0.3E	0.0	0.0*	12 E	33	24	82	382	47	28	27	0.6	18
19	0.3E	0.1	0.0	22 E	26	22	77	347	48	29	24	0.1	19
20	0.3E	0.2	0.1	27 E	23	19	114	308	47	28	23	0.0	20
21	0.3E	0.2	22	27 E	21	17	175	263	45	29	23	0.0	21
22	0.3E	0.0	97	27 E	21	25	293	228	44	27	22	2.0	22
23	0.3E	0.0	73	29 #	19	21	351	196	45	24	27	0.5	23
24	6.3E	0.0	71	33	20	16	436	203	53	20 *	27	0.1	24
25	0.3	0.0	59	22	20	15	511	154	51	19	32	1.1	25
26	0.4	0.1	58	4.2	22	14	614	115	51	20	26	0.1	26
27	0.2	0.1	58	5.7	21	18	624	84	53	22	14	0.0	27
28	0.1	0.2	58	28	21	393	637	75	53	22	0.5	0.0	28
29	0.3	0.1	58	32	245	650	73	51	15	15	0.6	0.0	29
30	0.4	0.1	57	799 E	89	89	556	63	52	19	0.4	0.3	30
31	0.4	49	3990 E	69	69	69	58	58	19	19	0.1	0.1	31
MEAN	22.0	0.1	21.3	185	133	43.2	226	302	49.9	35.6	18.6	0.9	MEAN
MAX.	464	0.4	97.0	3990 E	2010 E	393	650	574	56.0	57.0	32.0	6.4	MAX.
MIN.	0.0E	0.0	0.0	4.2	19.0	11.0	21.0	58.0	44.0	15.0	0.1	0.0	MIN.
ACFT.	1355	8	1312	11350	7406	2654	13430	18580	2967	2190	1141	56	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 62440	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
86.2	6680	E	11.91	1	31	1850	0.0		10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 31 02	121 45 21	NE28 8N 2E	8410	12.93	2/16/59	OCT 57-DATE	OCT 57-DATE	1957		24.57	USCGS

Station located at Low Water bridge, 0.8 mi. below U. S. Highway 40 bridge, 2.3 mi. SW of Davis.
Tributary to Yolo Bypass.

TABLE 105

DAILY MEAN DISCHARGE

YOLO BYPASS NEAR WOODLAND

STATION NO.	WATER YEAR
A02935	1967

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	44	14	211	65700	606	5140	1660	362	34	0.0	35	1
2	24	35	15	164	157000	571	4800	2010	262	27	0.0	36	2
3	24	26	15	142	114000	527	4480	1900	208	23	0.0	32	3
4	22	21	16	144	75600	479	4210	1800	146	21	0.0	24	4
5	17	20	16	134	50700	402	4150	1240	124	20	3.3	29	5
6													
7	13	17	21	113	32400	379	4180	960	128	16	3.7	30	6
8	13	14	24	100	20200	348	5380	790	132	12	4.1	35	7
9	11	14	30	87	12200	279	28700	630	140	10	4.1	38	8
10	10	20	36	92	6180	243	45000	522	142	6.1	4.1	42	9
11	9.6	39	39	134	3740	202	37700	482	148	2.4	3.7	46	10
12													
13	9.6	25	39	104	3570	175	32400	620	124	0.0	3.0	40	11
14	23	25	35	69	3390	162	28600	730	77	0.0	2.7	42	12
15	1920	24	31	56	4400	146	27700	776	50	0.6	2.1	54	13
16	99100	21	30	52	7920	138	32200	820	45	0.6	1.2	58	14
17	150000	18	29	45	9970	148	54800	736	38	0.9	0.0	51	15
18													
19	89400	14	40	39	7800	175	71500	588	35	0.9	0.0	54	16
20	40700	12	82	35	5600	182	71800	423	35	1.2	0.0	57	17
21	16900	12	651	34	4020	171	62600	290	30	1.2	0.9	62	18
22	6820	10	1510	32	3060	164	52000	261	30	0.0	2.4	66	19
23	3750	9.0	1830	27	2570	150	44800	255	24	0.0	2.4	68	20
24													
25	2650	9.0	1420	26	1930	142	35900	249	27	0.0	2.4	68	21
26	1690	9.0	1030	26	1560	122	28800	230	26	0.0	3.0	62	22
27	1000	10	755	26	1290	154	22300	468	31	0.0	2.7	58	23
28	618	12	710	25	1100	458	16700	620	26	0.0	3.3	57	24
29	377	24	560	24	948	866	12100	826	26	0.0	4.6	52	25
30													
31	337	18	443	22	818	922	7870	914	26	0.0	21	51	26
32	185	18	379	22	764	818	4980	738	12	0.0	75	63	27
33	125	18	357	22	665	3250	2520	501	4.1	0.0	50	54	28
34	88	18	343	22		6020	1790	399	9.6	0.0	34	54	29
35	63	13	316	86		5540	1580	393	27	0.0	25	46	30
36	58		277	4480		5360		396		0.0	44		31
MEAN	13420	19.0	358	213	21400	945	25220	749	83.2	5.7	9.8	48.0	MEAN
MAX.	150000	44	1830	4480	157000	6020	71800	2010	362	34	75	68	MAX.
MIN.	9.6	9.0	14	22	665	122	1580	230	4.1	0.0	0.0	24	MIN.
AC.FT.	825100	1130	22000	13080	1158000	58110	1501000	46070	4950	351	600	2910	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO		DAY	TIME
5060	170000	30.80	10	15	0200	NR					3663000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 40 40	121 38 35	SE28 10N 3E	272000	32.00	2/8/42	3/30-10/38 8 1/39-DATE	40-41 # 41-DATE	1930	1941	0.73 0.00	USED USED

Station located just above the Sacramento-Woodland Railroad bridge, 6 mi. above the Sacramento Bypass, 7 mi. below Fremont Weir, 7 mi. E of Woodland. Gage heights for low flow are not recorded. Records furnished by USGS.

8 - Irrigation season only
 # - Flood season only

TABLE 106
DAILY MEAN DISCHARGE
SAN JOAQUIN RIVER NEAR VERNALIS

STATION NO.	WATER YEAR
807020	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	DAY
1	1160	1570	2520	2190	1920	4390	8730	8380	13000	3490	1020	1140	1
2	1190	1570	2480	2180	3830	3950	7720	7540	12500	3130	1020	1200	2
3	1200	1570	2160	1940	9220	3620	6120	6500	11600	2970	1000	1210	3
4	1220	1570	1970	2270	12100	3300	5610	6750	10800	2370	1020	1200	4
5	1260	1550	2180	2270	12000	2720	5190	6840	9410	2240	1100	1200	5
6	1260	1470	2310	2000	11700	2620	4120	6930	7810	2130	1120	1200	6
7	1330	1400	2480	1720	11000	2450	3870	6800	6430	2020	1080	1190	7
8	1300	1420	2620	1670	8700	2290	6260	6910	5810	2360	1080	1220	8
9	1140	1450	2570	1960	7500	2180	8360	7190	6050	2350	1080	1270	9
10	1050	1470	2290	2090	7700	2060	9860	7720	6370	2210	1120	1290	10
11	1110	1480	2120	2000	9100	1930	9440	8650	6540	2410	1220	1280	11
12	1260	1490	2480	2090	9700	1750	11200	10800	7780	2180	1280	1240	12
13	1650	1500	2450	2130	8700	1860	12500	12200	7000	2210	1150	1260	13
14	1940	1510	2430	1910	9700	1610	10700	11600	4550	2050	1100	1340	14
15	2070	1540	2290	1690	11900	1460	8350	9790	3540	1900	1050	1450	15
16	2100	1570	2240	1630	11200	1450	9810	8150	4760	1760	1080	1630	16
17	1970	1600	2130	1630	9970	1790	10600	6910	5510	1640	1080	1780	17
18	1760	1600	1980	1640	9280	2440	8940	6050	4940	1580	1100	1780	18
19	1630	1590	2360	1590	8660	2150	7810	6490	6060	1460	1100	1800	19
20	1550	1550	2590	1590	8650	1780	7970	8310	6410	1350	1100	1800	20
21	1520	1580	2790	1530	7550	1570	9100	9490	8080	1320	1080	1840	21
22	1480	1590	3010	1470	6690	1420	10300	10200	9010	1350	1060	1920	22
23	1370	1610	3110	1470	6350	1450	10400	10900	8330	1300	1060	2060	23
24	1300	1580	2890	1500	5950	1560	10400	11200	6350	1200	1090	1980	24
25	1320	1720	2670	1470	5420	1910	9840	11900	5070	1080	1120	1920	25
26	1380	1930	2590	1500	5100	1930	9600	12500	3910	1080	1180	1860	26
27	1430	1890	2260	1500	4930	1760	9690	12700	3360	1050	1150	1770	27
28	1480	2200	2430	1410	4670	1790	9550	12300	2910	1080	1060	1630	28
29	1520	2310	2260	1300	3480	3480	8400	12000	2740	1100	1060	1520	29
30	1550	2420	2400	1440	7680	7680	8030	12700	3260	1080	1080	1470	30
31	1560		2420	1590	8480	8480		13100		1020	1120		31
MEAN	1454	1643	2435	1754	8185	2607	8616	9339	6663	1822	1095	1515	MEAN
MAX.	2100	2420	3110	2270	12100	8480	12500	13100	13000	3490	1280	2060	MAX.
MIN.	1050	1400	1970	1300	1920	1420	3870	6050	2740	1020	1000	1140	MIN.
ACFT.	89380	97790	149700	107800	454600	160300	512700	574200	396500	112000	67360	90150	ACFT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ‡ - E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
3885	13100	23.80	5	31	NR				2812000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
37 40 34	121 15 51		79000	27.75	12/9/50	7/22-12/23 †	7/22-12/23 †					
						1/24-2/25 †	1/24-2/25 †	1931	1959	5.06	USCGS	
						6/25-10/28 †	6/25-10/28 †	1959		0.00	USCGS	
						5/29-DATE	5/29-DATE	1959		3.3	USED	

Station located 30 ft. above the Durham Ferry Highway bridge, 3 mi. below the Stanislaus River, 3.4 mi. NE of Vernalis. Records furnished by USGS. Drainage area is approx. 14,010 sq. mi.

† - Irrigation season only

TABLE 107
DAILY MEAN DISCHARGE
 SOUTH SAN JOAQUIN I. D. DRAIN 11 NEAR MANTECA
 in second-feet

STATION NO.	WATER YEAR
B00915	1963

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
	28	17	12	9.2E	5.1	6.1	11	NR	NR	21	24	28	1
2	19	16 *	12	9.2E	4.8	5.3	NR	NR	NR	23	19	26	2
3	24 *	16	12	9.2E	4.7	4.0	NR	NR	NR	28	15	26	3
4	28	17	11	4.2E	4.6	3.0	NR	NR	NR	28	17	24	4
5	32	15	12 *	9.2E	4.6	3.1	7.6	NR	NR	26	24	21	5
6	26	17	12	9.2F	4.4	3.3	10	NR	NR	26	27	22	6
7	41	17	12	9.2E	4.4E	3.3	27	NR	NR	23	27	25	7
8	47	16	12	5.3E	4.3#	3.3	28	E	NR	21	29	28	8
9	37	15	12	5.3	5.2E	3.3	22	NR	NR	25	19	19	9
10	33	15	12	5.3	5.2E	3.3	NR	NR	NR	16	31	22	10
11	30	10	12	5.2	5.2F	3.3	NR	NR	NR	18	31	27	11
12	31	6.8	12	5.0	5.2E	3.3	NR	NR	NR	23	21	28	12
13	28	7.8	11	4.8	5.2E	3.2	NR	NR	NR	26	26	27	13
14	21	13	9.4	5.0	5.2E	3.1	NR	NR	NR	25	26	31	14
15	20	13	7.4	4.8	5.2E	3.0	NR	NR	NR	18	26	25	15
16	21	14	9.8	5.0	5.2E	5.4	NR	NR	NR	17	26	29	16
17	20	15	11	5.1	5.2F	6.9	NR	*	NR	14	26	32	17
18	20	13	12	6.2	5.2E	6.0	NR	NR	NR	17	26	31	18
19	17	14	12	8.6	5.2E	5.6	NR	NR	NR	23	26	25	19
20	20	14	12	8.9	5.2E	4.5*	NR	NR	NR	22	26	23	20
21	18	13	12	9.0	5.2E	3.7	NR	NR	NR	25	26	25	21
22	14	13	13	8.7	5.2E	4.1	NR	NR	NR	26	26	30	22
23	18	12	13	8.3	5.2E	5.2	NR	NR	*	20	26	29	23
24	18	12	13	8.4	5.2E	4.7	NR	NR	NR	16	26	25	24
25	18	13	13	8.7	5.2E	8.6	NR	NR	NR	13	26	20	25
26	16	12	13	6.9	5.2E	11	NR	NR	NR	12	26	25	26
27	16	12	14	4.3	6.1	11	NR	NR	NR	7.5	26	34	27
28	16	12	13 #	4.3	6.2	17	NR	NR	21 *	11	26	30	28
29	17	12	9.2E	4.3		12	NR	NR	29	14	30	32	29
30	17	12	9.2F	4.5		10	NR	*	NR	24	18 *	28	30
31	17		9.2F	5.1		11		NR		49 E	27		31
MEAN	23.8	13.5	11.6	6.8	5.1	5.8	NR	NR	NR	21.0	25.3	26.6	MEAN
MAX.	47.0F	17.0	14.0	9.2E	6.2	17.0	NR	NR	NR	49.0E	31.0	34.0	MAX.
MIN.	14.0	6.8	7.4	4.3	4.3E	3.0	NR	NR	NR	7.5	15.0	19.0	MIN.
AC.FT.	1464	803	712	419	283	358	NR	*	NR	1292	1557	1581	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation of no flow made on this day.
 # - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
11.7	NR	6.57	6	13	0720	NR					8470

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 45 38	121 16 50	SW14 2S 6E				JAN 59-DATE	JAN 59-DATE	1959		0.00	LOCAL

Station located 400 ft. E of Walthall Slough, 1.9 mi. SE of junction of State Highway 120 and U. S. Highway 50, 4.3 mi. SW of Manteca. This is drainage returned to San Joaquin River via Walthall Slough. Data insufficient to compute flow when backwater from the San Joaquin River occurred during the months of Apr., May, and June, 1963.

TABLE 10b
DAILY MEAN DISCHARGE
FRENCH CAMP SLOUGH NEAR FRENCH CAMP

STATION NO	WATER YEAR
502605	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	51	1.0	0.2	0.1	520 E	12	101	58	17	41	17	44	1
2	54	0.6*	0.2	0.0	932 *	10	67	47	31	44	23	45	2
3	49	0.7	0.1	0.4	520	4.4	46	46	49	31	19	54	3
4	50	0.6	0.1	0.7	262	7.6	37	37	40	33	17	45	4
5	33	1.7	0.6*	0.5	179	7.1	33	33	31	26	18	32	5
6	40	1.7	0.9	0.4	71 *	6.9	52	32	18	30	10	44	6
7	50	0.6	0.2	0.3	47	6.5	477	22	30	43	4.8	49	7
8	54	0.6E	0.0	0.0	34 *	0.3	732	28	36	29	5.5	46	8
9	55	0.6E	0.0	0.0	20	6.5	848 *	51	23	16	10	37	9
10	53	0.6E	0.2	1.0	270	8.5	260 *	69	30	35	14	34	10
11	49	0.6E	1.1	1.4	538	7.6	158	86	46	26	26	39	11
12	77	0.6E	0.2	0.9	557	6.3	101	79	38	30	29	51	12
13	92	0.6E	0.1	0.8	881	5.3	72	70	34	27	24	51	13
14	86	0.6E	0.1	1.2	1550	4.2	56	57	36	27	28	53	14
15	89	0.6E	0.3	1.0	1330	7.0	457	44	44	31	20	48	15
16	40	0.6E	1.0	0.7	396	5.3	1150	21	36	25	17	45	16
17	20	0.6E	65	0.5	220	4.8	356	17	44	14	14	52	17
18	13	0.6E	47	0.3	132	3.5	271	16	32	12	27	70	18
19	7.3	0.6E	14	0.0	91	2.5	237	19	18	25	17	69	19
20	7.6	0.6E	5.9	0.4	66	2.8*	177	24	23	25	20	67	20
21	7.3	0.6E	3.4	1.3	51	4.0	386	16	38	27	22	54	21
22	4.9	0.6	2.1	1.3	42	3.0	651	20	37	29	23	57	22
23	3.2	1.5	1.5	0.5	34	24	1170	29	38	15	15	54	23
24	3.2	1.6	1.0	0.4	27	24	298	24	37	14	22	45	24
25	2.6	1.1	0.9	0.3	23	9.2	228	29	31	9.8	31	81	25
26	2.5	1.1	0.7	0.1	19	5.2	149	26	39	9.7	41	75	26
27	2.3	1.1	0.6	0.1	17	4.5	182	17	32	15	31	64	27
28	2.0	1.1	0.6*	0.0	14	5.82	157	15	36 *	13	26	77	28
29	2.2	1.1	0.6	0.0		1260	110	16	51	13	18	75	29
30	2.2	0.5	0.6	0.9		545	81	15	42	14 *	15	78	30
31	1.6		0.4	11		186		20		12	21		31
MEAN	33.2	0.9	4.0	1.0	317	89.6	304	35.1	34.0	24.0	20.2	54.5	MEAN
MAX.	92.0	1.0	65.0	11.0	1550	1260	1170	66.0	51.0	44.0	41.0	81.0	MAX.
MIN.	1.6	0.5	0.0	0.0	14.0	2.0	33.0	15.0	17.0	9.7	4.8	32.0	MIN.
ACFT.	2033	52	271	59	17630	5507	18060	2156	2061	1475	1240	3243	ACFT.

E - Est. noted
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
± - E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET 53810	
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO		DAY
74.3	16.0	8.53	2	1	2400	0.1		11	7	1100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R. M O B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 52 52	121 24 53	NE 6 1S 7E	3390	6.31	12/9/50	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950	1955	0.00 4.00	LOCAL LOCAL

Station located at Airport Way bridge, 1.5 mi. E of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mi. downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at gage ht., site and datum then in use.

TABLE 109

DAILY MEAN DISCHARGE
DUCK CREEK DIVERSION NEAR FARMINGTON

STATION NO.	WATER YEAR
802920	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	221	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	56	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	108	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	33	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	203	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	16	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	32	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	246	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	1.1	18.7	7.9	8.2	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	35	221	246	108	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.				70	1039	488	486						AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- # - E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	
2.9	765		2	01		0.0		10	1	0000	2083

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 56 18	120 59 21	NE16 1N 9E	3690	7.65	4/2/58	SEP 51-DATE	SEP 51-DATE	1951		105.0	USCGS

Station located 1.0 mi. NE of Farmington. Flows are diversions from Duck Creek to Littlejohn Creek. Records furn. by USCE. Drainage area is 28 sq. mi.

TABLE 110
DAILY MEAN DISCHARGE
LITTLEJOHN CREEK AT FARMINGTON

STATION NO	WATER YEAR
802870	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4	2	0.0	0.0	622	18	75	54	4	7	3	2	1
2	3	2	0.0	0.0	915	16	51	43	4	6	2	2	2
3	1	2	0.0	0.0	334	14	40	33	3	6	2	4	3
4	2	2	0.0	0.0	279	12	28	26	4	6	2	2	4
5	2	2	0.0	0.0	114	11	24	18	4	5	2	2	5
6	2	2	0.0	0.0	52	10	84	15	5	3	1	2	6
7	3	1	0.0	0.0	38	9	364	12	5	2	0.9	2	7
8	3	1	0.0	0.0	25	9	696	10	5	1	1	2	8
9	3	1	0.0	0.0	21	10	514	9	5	3	2	2	9
0	3	1	0.0	0.0	294	8	192	7	4	3	3	3	10
1	3	1	0.0	0.0	441	8	117	6	4	3	3	3	11
2	3	1	0.0	0.0	393	8	82	6	4	3	3	2	12
3	5	0.9	0.0	0.0	998	7	58	6	3	3	2	2	13
4	10	0.7	0.0	0.0	1600	7	109	7	4	5	2	3	14
5	12	0.5	0.0	0.0	1030	7	728	6	3	4	2	3	15
6	6	0.4	0.0	0.0	224	6	1040	6	3	3	0.9	1	16
7	4	0.2	0.0	0.0	168	4	258	5	4	3	0.9	2	17
8	4	0.1	0.0	0.0	120	4	244	4	4	3	0.8	2	18
9	3	0.0	0.0	0.0	92	3	198	5	5	3	2	2	19
0	3	0.0	0.0	0.0	76	3	198	4	6	3	1	4	20
2	3	0.0	0.0	0.0	60	3	301	3	4	2	2	7	21
22	3	0.0	0.3	0.0	51	4	774	4	4	2	1	6	22
23	3	0.0	0.0	0.0	44	5	985	4	4	2	1	4	23
24	3	0.0	0.0	0.0	37	4	234	3	6	2	1	3	24
25	2	0.0	0.0	0.0	32	4	188	5	5	2	2	2	25
26	2	0.0	0.0	0.0	28	3	151	4	5	2	2	2	26
27	2	0.0	0.0	0.0	22	3	178	5	3	1	2	3	27
28	2	0.0	0.0	0.0	20	822	136	5	3	2	3	5	28
29	2	0.0	0.0	0.0		1042	93	4	6	2	2	5	29
30	1	0.0	0.0	0.0		302	70	5	8	3	2	5	30
31	2		0.0	0.0		127		4		3	2	5	31
MEAN	3.4	0.7	0.0	0.0	290	80.4	274	10.6	4.4	3.2	1.8	2.9	MEAN
MAX.	12	2	0.3	0.0	1600	1042	1040	54	8	7	3	7	MAX.
MIN.	1	0.0	0.0	0.0	20	3	24	3	3	1	0.8	1	MIN.
AC.FT.	206	41	0.6		16126	4945	16284	650	260	194	112	175	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
= - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE 53.9	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 38994
	DISCHARGE 1760	GAGE HT.	MO. DAY	TIME	DISCHARGE 0.0	GAGE HT.	MO. DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. B. R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 55 38	121 00 08	N20 1N 9E	3590	15.40	4/3/58	JUN 52-DATE	JUN 52-DATE	1952		89.97	USCGS

Station located 340 ft. below Farmington-Escalon Highway bridge. Flows entering Littlejohn Creek via Duck Creek Diversion are included. Records furn. by USCE.

TABLE 111
DAILY MEAN DISCHARGE

DUCK CREEK NEAR STOCKTON

STATION NO.	WATER YEAR
B02835	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	OAY
1	2.8E	0.0	0.0	0.0	25	0.2	3.3	2.5E	2.6	2.2E	2.7	2.8	1
2	2.8E	0.0*	0.0	0.0	76	0.2	3.5	2.5E	3.0	2.2E	3.9	3.8	2
3	2.0*	0.0	0.0	0.0	32	0.1	2.7	2.5E	2.9	2.2E	4.1	7.5	3
4	2.5	0.0	0.0	0.0	14	0.1	1.6	2.5E	2.1	2.2E	4.1	7.8	4
5	2.1	0.0	0.0*	0.0	6.6	0.0	0.7	2.5E	1.9	2.2E	4.9	5.5	5
6	2.4	0.0	0.0	0.0	4.1*	0.0	0.7	1.6E	2.0	2.2E	3.8	4.4	6
7	1.7	0.0	0.0	0.0	3.0	0.0	8.8	1.7	1.7	2.2E	4.3	4.8	7
8	1.0	0.0	0.0	0.0	2.6*	0.0	7.9 *	1.4	2.3	2.2E	3.5	6.5	8
9	1.2	0.0	0.0	0.0	2.4	0.0	5.3	2.4	2.8	2.9E	2.8	5.1	9
10	0.6	0.0	0.0	0.0	2.6	0.0	2.5 *	2.2	2.4	2.5	3.4	3.2	10
11	0.6	0.0	0.0	0.0	17	0.0	1.5	1.8	2.9	2.7	4.5	2.4	11
12	0.6	0.0	0.0	0.0	18	0.0	7.5	1.5	2.7	2.0	3.6	3.1	12
13	0.7	0.0	0.0	0.0	30	0.0	4.3	1.3	2.2	2.3	2.4	3.6	13
14	1.5	0.0	0.0	0.0*	25	0.0	3.4	0.9	2.0	2.5	3.9	3.9	14
15	1.3	0.0	0.0	0.0	29	0.0	2.6	0.7	2.8	2.2	3.7	3.5	15
16	1.6	0.0	0.0	0.0	12	0.0	2.0	2.2	3.1	1.6	2.8	4.1	16
17	2.3	0.0	0.0	0.0	6.2	0.0	1.5	2.8	2.9	3.3	4.1	2.9	17
18	2.6	0.0	0.0	0.0	3.4	0.0	4.8	1.9	2.6	3.5	3.9	3.1*	18
19	2.0	0.0	0.0	0.0	2.9	0.0	4.6	2.8	2.9	2.9	4.7	4.3	19
20	1.4	0.0	0.0	0.0	2.1	0.0*	3.4	5.3	2.4	3.5	4.3	4.3	20
21	0.0	0.0*	0.0	0.0	1.7	0.0	2.6	2.2	2.7	3.6	4.5	4.4	21
22	0.6	0.0	0.0	0.0	1.4	0.0	3.2	2.7	3.1	3.9	4.3	2.9	22
23	0.4	0.0	0.0	0.0*	1.0	0.0	4.2	2.2*	3.3	3.9	4.5	2.6	23
24	0.1	0.0	0.0	0.0	0.9	0.0	1.8	1.7	3.3	3.8	3.5	2.9	24
25	0.0	0.0	0.0	0.0	0.7	0.0	1.0	0.8	2.8	3.0	6.8	3.3	25
26	0.0	0.0	0.0	0.0	0.5	0.0	5.4	0.5	2.9	2.9	5.4	4.0	26
27	0.0	0.0	0.0*	0.0	0.4	0.0	3.4	0.9	2.7	3.7	5.4*	3.3	27
28	0.0	0.0	0.0	0.0	0.4	1.2	2.6	1.2	1.5*	4.8	6.5	3.0	28
29	0.0	0.0	0.0	0.0	0.0	57	2.5E	1.3	2.2E	3.7	6.1	3.8	29
30	0.0	0.0	0.0	0.0	0.0	24	2.5E	2.4	2.2E	4.4*	3.0	5.3	30
31	0.0	0.0	0.0	0.0	3.7	11	2.4	2.4	2.2E	3.6	3.2	3.2	31
MEAN	1.2	0.0	0.0	0.1	14.7	3.0	10.7	2.0	2.6	2.9	4.2	4.1	MEAN
MAX	2.8E	0.0	0.0	3.7	85.0E	57.0	79.0	5.3	3.6	4.8	6.8	7.8	MAX.
MIN.	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.5	1.5E	1.6	2.4	2.4	MIN.
AC.FT.	73			7	816	186	638	122	155	180	259	242	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 2678
	DISCHARGE	DISCHARGE	GAGE HT.	MO OAY TIME	DISCHARGE	GAGE HT.	MO OAY TIME		
3.7	132	8.33	2	14 0030	0.0	10	25	1300	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T&R. M.O.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 59 27	121 14 55	NW19 1N 7E	400	5.75	12/24/55	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	1957		0.00	LOCAL

Station located at Laurel Ave., 1.0 mi. W. of U. S. Highway 99, immediately S of Stockton. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approx. 2 mi. E of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity weverts which divert to Littlejohn Creek. Maximum discharge listed at gage ht., site and datum then in use.

TABLE 112
DAILY MEAN DISCHARGE
CALAVERAS RIVER AT BELLOTA

STATION NO.	WATER YEAR
B02555	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.4	0.0	12	449	8.3	11	0.5	53	101	118	115	1
2	0.0*	0.1	0.0	4.9	440	7.8	6.4	0.4	59	98	118	112	2
3	0.0	0.1	0.0	2.3	352 *	7.4	12	0.3	54	93	121	109	3
4	0.0	0.2	0.0	0.6	277	7.1	12	0.3	50	94	126	112	4
5	0.0	0.0	0.0	0.0	148	5.8	8.5	0.2	50 *	93	123	107	5
6	0.0	0.0	0.0	0.0	102	5.2*	13	0.2	73	89	122	101	6
7	0.0	0.0	0.0*	0.0	91	4.7	129	0.2	83	91	125	104	7
8	0.0	0.0	0.0	0.0	85 *	4.7	80	0.1	83	91	134	122	8
9	0.0	0.0	0.0	0.0	83	4.5	62	0.1*	84	99	136	119	9
0	0.0	0.0	0.0	0.0	107	4.0	71	0.0	83	111	119	114	10
11	0.0	0.0	0.0	0.0	125	3.4	82	0.0	91	131	120	111	11
12	0.0	0.0	0.0	0.0	111	2.6	144	0.0	116	134	122	114	12
13	0.0	0.0	0.0	0.0	174	2.1	244	0.0	113	123	127	112 *	13
14	0.0	0.0	0.0	0.0*	183	2.1	241	0.0	93	121	121	102	14
15	0.0	0.0	0.0	0.0	143	2.3	252 *	0.0	81	115	135	97	15
16	0.0	0.0*	0.0	0.0	75	2.4	252	0.0	77	112	136	93	16
17	0.0	0.0	0.0	0.0	59	3.0	244	30	83	115	139	80	17
18	0.0	0.0	37	0.0	44	2.5	234	39	83	132	138	75	18
19	0.0	0.0	61	0.0	34	2.1	226	28	73	131	135	72	19
20	0.1	0.0	55	0.0	28 *	2.2	228	36	75	132	131	77	20
21	0.6	0.0	58	0.0	24	2.3	245	37	94	138	129	75	21
22	0.5	0.0	61	0.0	20	2.0	190	37	134	129	125	74	22
23	0.4E	0.0	58	0.0	16	2.4	126	32	143	115	124	76	23
24	0.4E	0.0	57	0.0	14	2.3	123	29	139	102	123	72	24
25	0.4E	0.0	57	0.0	13 *	2.4	121	31	142	96	125	65	25
26	0.4E	0.0	56	0.0	12	2.8	119	32	136	111	120	66	26
27	0.3	0.0	55	0.0	9.3	3.4	113	32	117	121	107	65	27
28	0.2	0.0	54 *	0.9	8.7	61	48	93	114	122	109	53	28
29	0.1	0.0	45	43	58	58	10	77	113	115 *	110 *	22	29
30	0.1	0.0	50	65 *	43	43	0.6	68	103	112	111	11	30
31	0.2	0.0	35	147	28	28	54	54	115	115	113	11	31
MEAN	0.1	0.0	23.8	8.9	115	9.4	122	21.2	93.1	112	124	87.6	MEAN
MAX.	0.6	0.4	61.0	147	449	61.0	252	93.0	143	138	139	122	MAX.
MIN.	0.0	0.0	0.0	0.0	8.7	2.0	0.6	0.0	50.0	89.0	107	11.0	MIN.
AC.FT.	7	2	1456	547	6401	579	7235	1304	5538	6906	7620	5211	AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET 42810
	DISCHARGE 59.1	DISCHARGE 508	GAGE HT. 9.38	MO. 2	DAY 1	TIME 1310	DISCHARGE 0.0	GAGE HT.	MO. 10	DAY 1	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 03 13	121 00 45	SW 5 2N 9E				NOV 48-DATE	NOV 48-DATE			0.00	LOCAL

Station located 100 ft. above State Highway 8 bridge, 100 ft. below head gates. Flow regulated by head gates operated by Stockton East San Joaquin Water Conservation District.

TABLE 113
DAILY MEAN DISCHARGE
CALAVERAS RIVER NEAR STOCKTON

STATION NO.	WATER YEAR
B02520	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5E	0.0	0.0	8.4E	292 #	0.0	24	1.5	17	17	12	15	1
2	0.2#	0.0	0.0	0.1E	353 E	0.0	0.9	1.9	20	9.4	22	12	2
3	0.0	0.0	0.0	0.0	295	0.0	0.0	1.2	16	9.0	24	8.8	3
4	0.0	0.0	0.0	0.0	254	0.0	0.2	0.2	3.8*	21	33	9.9	4
5	0.0	0.0	0.0	0.0	180	0.0	0.7	0.5	0.3	18	23	9.4	5
6	0.0	0.0	0.0	0.0	102 *	0.0*	0.4	2.5	0.2	19	16	2.3	6
7	0.0	0.0	0.0*	0.0	81	0.0	172	2.4	6.4	7.1	5.8	1.7	7
8	0.0	0.0	0.0	0.0	70 *	0.0	216 *	6.9	11	12 #	1.2	20	8
9	0.0	0.0	0.0	0.0	67	0.0	108	4.6*	4.1	12 E	10	25	9
10	0.0	0.0	0.0	0.0	74	0.0	98	2.2	4.0	12 E	17	20	10
11	0.0	0.0	0.0	0.0	101	0.0	95	3.0	0.3	12 E	22	16 *	11
12	0.0	0.0	0.0	0.0	92	0.0	91	1.7	1.0	12 E	9.4	17	12
13	0.0	0.0	0.0	0.0	135	0.0	190	1.1	2.4	12 E	3.8*	23	13
14	0.0	0.0	0.0	0.0*	173	0.0	209	2.3	6.9	12 E	5.5	18	14
15	0.0	0.0	0.0	0.0	138	0.0	218 *	1.0	14	12 E	0.5	21	15
16	0.0	0.0*	0.0	0.0	78	0.0	223	0.2	26	12 E	5.8	22	16
17	0.0	0.0	0.0	0.0	48	0.0	218	0.0	20	12 E	8.6	16	17
18	0.0	0.0	0.0	0.0	34	0.1	213	0.0	1.0	12 E	18	9.9	18
19	0.0	0.0	0.0	0.0	24	0.0	209	0.1	0.3	12 E	14	7.2	19
20	0.0	0.0	0.0	0.0	16 *	0.0	209	1.1*	15	12 E	16	5.8	20
21	0.0	0.0	12 E	0.0	10	0.0	239	4.1	15	12 E	22	16	21
22	0.0	0.0	35 E	0.0	6.0	0.0	223	3.3	3.5	12 E	19	17	22
23	0.0	0.0	37 E	0.0	3.6	0.0	121	0.4	14	12 E	14	11	23
24	0.0	0.0	37 E	0.0	2.0	0.0	110	3.7	24	12 E	14	11	24
25	0.0	0.0	37 E	0.0	1.0*	0.0	107	1.0	5.8	12 #	21	15	25
26	0.0	0.0	37 E	0.0	0.1	0.0	106	1.7	15	0.1	21	19	26
27	0.0	0.0	36 E	0.0	0.0	0.0	103	2.6	13	0.7	13	9.8	27
28	0.0	0.0	35 #	0.0	0.0	3.4	71	2.8	3.3	17	4.5	5.8	28
29	0.0	0.0	31 E	0.0	0.0	86	23	20	17	20 *	8.0	4.0	29
30	0.0	0.0	27 E	0.0	0.0	61	1.9	34	24	4.0	11	0.7	30
31	0.0	0.0	28 E	43	0.0	39	0.0	34	0.0	9.8	8.9	0.0	31
MEAN	0.0	0.0	11.4	1.7	93.9	6.1	120	4.6	10.1	11.9	13.7	13.0	MEAN
MAX.	0.5E	0.0	37.0E	43.0	353 E	86.0	239	34.0	26.0	21.0	33.0	25.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.5	0.7	MIN.
ACFT.	1	0.0	698	102	5216	376	7141	282	604	730	841	772	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 16760	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
23.2	382	E	9.19	2	1	2200	0.0		10	1	0000	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 00 45	121 14 23	NE19 2N 7E	632	9.20	4/4/58	DEC 48-DATE	DEC 48-DATE	1959		0.00	LOCAL

Station located 0.5 mi. above U. S. Highway 99 bridge, 4 mi. NE of Stockton. Summer flows regulated by removable diversion dam 40 ft. above station operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at gage height, site and datum then in use.

TABLE 114
DAILY MEAN DISCHARGE
MORMON SLOUGH AT BELLOTA

STATION NO.	WATER YEAR
B02560	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	38	0.0	5240	0.0	21	133	46	50	54	58	1
2	0.0*	0.0	58	0.0	4980 *	0.0	25	105	31	48	53	47	2
3	0.0	0.0	29	0.0	3320 *	0.0	9.7	86	31	41	59	42	3
4	0.0	0.0	7.3	0.0	2110	0.0	6.3*	73	29	43	67	43	4
5	0.0	0.0	1.4	0.0	651	0.0	8.7	63	26 *	42	59	45	5
6	0.0	0.0	0.0	0.0	256	0.0*	60	55	51	43	61	38 *	6
7	0.0	0.0	0.0*	0.0	164	0.0	923	50	54	51	59	33	7
8	0.0	0.0	0.0	0.0	115	0.0	439 *	49	57	48 *	66	35	8
9	0.0	0.0	0.0	0.0	97	0.0	213	62 *	58	55	66	38	9
10	0.0	0.0	0.0	0.0	279	0.0	219 *	57	56	62	51	37	10
11	0.0	0.0	0.0	0.0	434	0.0	211	55	49	78	54	35	11
12	0.0	0.0	0.0	0.0	307	0.0	458	51	73	77	57	34	12
13	0.0	0.0	0.0	0.0	1010	0.0	1330	46	61	67	56 *	34	13
14	0.0	0.0	0.0	0.0*	1120	0.0	1310	44	52	64	55	31	14
15	0.0	0.0	0.0	0.0	654	0.0	1430 *	44	69	55	66	28	15
16	0.0	0.0*	0.0	0.0	83	0.0	1510	46	78	50	71	27	16
17	0.0	0.0	14	0.0	4.0	0.0	1640	28	68	51	73	31	17
18	0.0	0.0	78	0.0	0.0	0.0	1490 *	0.5	66	69	72	40	18
19	0.0	0.0	65	0.0	0.0	0.0	1300	0.0	78	68	69	42	19
20	41	0.0	30	0.0	0.0*	0.0	1160	0.0	73	66	63	40	20
21	86	18	48	0.0	0.0	0.0	1130	0.0*	62	70	59	33	21
22	50	1.9	67	0.0	0.0	0.0	1110	0.0	76	64	58	28	22
23	50 *	0.0	48	0.0	0.0	0.0	1090	0.6	88	60 *	54	26	23
24	20	0.0	39	0.0	0.0	0.0	1080	3.8	86	71	52	27	24
25	11	0.0	33	0.0	0.0	0.0	1070	6.2	86	78	57	33	25
26	4.0	0.0	29	0.0	0.0	0.0	1040	7.0	79	70	58	38	26
27	0.1	0.0	23	0.0	0.0	0.0	1010	9.5	58	49	45	39	27
28	0.0	0.0	14 *	0.0	0.0	638	409	84 E	60	52	52	40	28
29	0.0	0.0	1.5	7.1	0.0	99	198	50	59	47 *	52	51	29
30	0.0	12	3.9	55	0.0	11	163	51	49	48	49	34	30
31	0.0	0.0	0.0	906	0.0	0.0	0.0	42	50	47	47	31	31
MEAN	8.5	1.1	20.2	31.2	744	24.1	736	42.0	60.3	57.6	58.5	36.9	MEAN
MAX.	88.0	18.0	78.0	906	5240	538	1640	133	88.0	78.0	73.0	58.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	26.0	41.0	45.0	26.0	MIN.
AC.FT.	524	63	1244	1920	41310	1484	43760	2582	3588	3544	3598	2196	AC.FT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

‡ - E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
146	6230	10.71	2	1	1350	0.0		10	1	0000	105800

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 03 10	121 00 37	SW 5 2N 9E				DEC 48-DATE	DEC 48-DATE	1952		0.00	LOCAL

Station located 0.2 mi. above Farmington-Bellota Highway bridge, 0.2 mi. E of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control division of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal.

TABLE 115

DAILY MEAN DISCHARGE
STOCKTON DIVERTING CANAL AT STOCKTON

STATION NO.	WATER YEAR
B02580	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	5870	0.0	7.0	62	1.3	23	1.9	11	1
2	0.0*	0.0	0.0	0.0	5390 *	0.0	5.3	54	1.9	14	1.8	15	2
3	0.0	0.0	0.0	0.0	3460 *	0.0	9.7	50	0.9	13	2.9	14	3
4	0.0	0.0	0.0	0.0	2280	0.0	1.4*	46	0.0	7.6	15	6.8	4
5	0.0	0.0	0.0	0.0	768	0.0	0.0	42	0.0*	8.8	24	14	5
6	0.0	0.0	0.0	0.0	248 *	0.0*	1.0	39	0.0	7.0	13	8.4	6
7	0.0	0.0	0.0*	0.0	140	0.0	827	37 *	4.3*	11	15	3.4	7
8	0.0	0.0	0.0	0.0	86 *	0.0	730	36	7.4	16 *	21	1.9	8
9	0.0	0.0	0.0	0.0	65	0.0	284 *	37	9.3	5.9	19	9.5	9
10	0.0	0.0	0.0	0.0	172	0.0	222	37	8.7	7.7	16	6.0	10
11	0.0	0.0	0.0	0.0	379	0.0	210	40	5.1	13	11	5.5	11
12	0.0	0.0	0.0	0.0	248	0.0	227	40	3.4	20	10	4.7	12
13	0.2	0.0	0.0	0.0	983	0.0	1170	36	3.1	19	10 *	7.3*	13
14	0.0	0.0	0.0	0.0*	1320	0.0	1170	33	2.0	19	3.7	6.5	14
15	0.0	0.0	0.0	0.0	744	0.0	1320	29	0.7	16	6.5	4.7	15
16	0.0	0.0*	0.1	0.0	168	0.0	1370	25	0.9	7.8	14	5.8	16
17	0.0	0.0	0.0	0.0	24	0.0	1320	21	2.3	1.2	14	6.5	17
18	0.0	0.0	0.0	0.0	5.4	0.0	1260 *	2.5	0.6	0.5	8.4	13	18
19	0.0	0.0	49	0.0	1.0	0.0	1170	0.0	0.0	9.6	13	14	19
20	0.0	0.0	56	0.0	0.0*	0.0	1160	0.0*	0.0	2.9	6.0	9.1	20
21	0.0	0.0	13	0.0	0.0	0.0	1380	0.0	0.0	12	8.9	8.0	21
22	42 E	0.0	65	0.0	0.0	0.0	1360	0.0	9.7	21	3.7	3.4	22
23	26 #	0.0	54	0.0	0.0	0.0	1290	0.0	47	15	4.5	3.2	23
24	19 #	0.0	29	0.0	0.0	0.0	1190	0.0	62	8.9	3.5	1.8	24
25	1.2	0.0	21	0.0	0.0	0.0	1120	0.0	56	27	2.1	0.2	25
26	0.0*	0.0	15	0.0	0.0	0.0	1100	0.0	71	33	7.1	0.0	26
27	0.0	0.0	9.6*	0.0	0.0	0.1	1050	0.0	49	19	2.3	0.0	27
28	0.0	0.0	4.2*	0.0	0.0	555	252	0.0	31	4.7	1.7	0.0	28
29	0.0	0.0	0.7	0.0	0.0	337	82	0.0	37	15 *	1.5	0.0	29
30	0.0	0.0	0.0	2.0*	0.0	78	74	0.0	25	13	1.9	0.0	30
31	0.0	0.0	0.0	177	0.0	21	0.0	2.7	0.0	4.1	4.0	0.0	31
MEAN	2.9	0.0	10.2	5.8	798	32.0	712	21.6	14.7	12.8	8.6	6.1	MEAN
MAX.	42.0E	0.0	65.0	177	5870	555	1380	62.0	71.0	33.0	24.0	15.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	0.0	MIN.
AC.FT.	175		628	355	44330	1966	42370	1327	872	785	530	364	AC.FT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

- E and *

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
129	7430	14.86	2	1	1720	0.0		10	1	0000	93710

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 59 01	121 15 09	NW31 2N 7E	11400E	17.10E	4/4/58E	JAN 44-DATE	JAN 44-DATE	1954		0.00	LOCAL

Station located 200 ft. below Waterloo Road bridge, immediately NE of Stockton. This is water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal. During high flow periods, overflow from Calaveras River and Duck Creek may be included.

TABLE 116
DAILY MEAN DISCHARGE
BEAR CREEK NEAR LOCKEFORD

STATION NO.	WATER YEAR
B72045	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	0.0	0.0	0.0	0.0	817 *	0.8	12	3.4	0.0	0.0	0.0	0.0	1
3	0.0	0.0	0.0	0.0	68	0.7	7.7	2.8	0.0	0.0	0.0	0.0	2
4	0.1	0.0	0.0	0.0	19	0.6	5.0	2.2	0.0	0.0	0.0	0.0	3
5	0.0	0.0	0.0	0.0	10	0.4	3.7	1.7	0.0	0.0	0.0	0.0	4
					6.5*	0.3	3.1	1.2	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	4.8	0.3	75	0.8	0.0	0.0	0.0	0.0	6
7	0.1	0.0	0.0	0.0	3.4	0.2	462	0.7	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	2.5	0.4	189	0.8	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	2.7	0.6	55	0.6	0.0	0.0	0.0	0.0	9
0	0.0	0.0	0.0	0.0	42	0.4	34 *	0.7	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	14	0.4	18	5.1	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	21	0.4	11	4.8	0.0	0.0	0.0	0.0	12
13	0.8	0.0	0.0	0.0	329	0.3	7.9	2.9	0.0	0.0	0.0	0.1	13
14	6.4	0.0	0.0	0.0	138	0.2	11	1.4	0.0	0.0	0.0	0.0	14
15	1.7	0.0	0.0	0.0	31	1.1	30	0.7	0.0	0.0	0.0	0.0	15
16	0.2	0.0	0.0	0.0	16	1.1	21	0.2	0.0	0.0	0.0	0.0	16
17	0.1	0.0	0.0*	0.0	10	1.0	11	0.1	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	7.4	1.4	7.1	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	5.5	1.0	6.5	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	5.0	0.6	34	0.1	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0*	4.3	0.3	90	0.1	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	3.4	0.2	57	0.2	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	2.9	0.4	28	0.2	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	2.4	0.2	13	0.2	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	2.0	0.6	8.5	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	1.6	1.0	7.7	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	1.2	4.2	11	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	1.0	309	8.2	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		67	6.0	0.0	0.0	0.0*	0.0	0.0	29
30	0.0	0.0	0.0	0.0		20	4.6	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	108		11		0.0	0.0	0.0	0.0	0.0	31
MEAN	0.3	0.0	0.0	3.5	56.1	13.7	41.3	1.0	0.0	0.0	0.0	0.0	MEAN
MAX.	6.4	0.0	0.0	108	817	309	462	5.1	0.0	0.0	0.0	0.1	MAX.
MIN.	0.0	0.0	0.0	0.0	1.0	0.2	3.1	0.0	0.0	0.0	0.0	0.0	MIN.
ACFT.	19			214	3120	845	2460	61				0.2	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
9.3	1480	12.55	2	1	0300	0.0					6700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 09 15	121 08 15	SE31 4N 8E	2930	15.13	4/3/58	OCT 30-DATE	OCT 30-DATE	1930		0.00	LOCAL

Station located 15 ft. below county road bridge, 0.8 mi. SE of Lockeford. Tributary to San Joaquin River. Records furnished by USGS. Drainage area is 47.6 sq. mi.

TABLE 117

DAILY MEAN DISCHARGE
DELTA MENDOTA CANAL NEAR TRACY

STATION NO.	WATER YEAR
895925	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1976	716	0.0	0.0	506	1158	1264	1261	3178	3953	4165	2740	1
2	1982	717	0.0	0.0	505	1064	1079	1476	2821	3925	4169	2735	2
3	1863	717	0.0	0.0	507	1064	1077	1796	2535	3926	4163	2735	3
4	1729	717	0.0	146	508	1057	1148	1962	2533	3770	4160	2567	4
5	1726	786	0.0	0.0	878	1660	1149	1961	2605	3770	4161	2433	5
6	1789	788	0.0	0.0	877	1870	971	1960	2713	3511	4030	2389	6
7	1826	716	0.0	0.0	942	1804	972	2131	3463	3510	3902	2228	7
8	1824	716	0.0	0.0	1177	1910	974	2133	3597	3509	3900	2229	8
9	1919	755	0.0	0.0	1040	1981	905	2427	3594	3507	3892	2228	9
10	1926	755	0.0	0.0	615	2268	942	2458	3600	3506	3793	1928	10
11	1888	754	0.0	0.0	615	2041	1157	2463	3593	3800	3796	1827	11
12	1676	681	0.0	0.0	613	2128	1159	2365	3593	4172	3795	1827	12
13	1575	681	0.0	0.0	649	2161	1158	2464	3420	4233	3700	1832	13
14	1579	681	0.0	0.0	503	2329	1160	2466	3278	4341	3699	1831	14
15	1171	680	0.0	70	466	2333	1012	2461	3442	4186	3826	1829	15
16	970	753	0.0	282	469	2267	1011	2524	3510	4063	3904	2068	16
17	868	752	0.0	0.0	467	1901	1268	2592	3518	4059	3910	1928	17
18	937	752	0.0	60	866	1896	1230	2812	3528	4163	3898	1928	18
19	936	713	0.0	320	932	1891	1232	2815	3655	4227	3769	1826	19
20	934	785	0.0	862	1132	1974	1339	2821	3844	4293	3743	1827	20
21	929	787	0.0	927	898	2002	1341	3462	3850	4351	3630	1830	21
22	928	787	0.0	1160	868	2038	1411	3657	3980	4288	3630	1830	22
23	929	717 A	0.0	1159	867	2022	1195	3726	3018	4159	3630	1828	23
24	1029	717	0.0	1160	867	1884	1197	3794	2362	4214	3560	1826	24
25	1030	715	0.0	1160	866	1846	1269	3730	3443	4368	3463	1827	25
26	1027	928	0.0	1159	866	1950	1381	3634	3602	4203	3201	1670	26
27	1092	865	176	1663	930	1951	1379	3564	4160	4378	3151	1670	27
28	1114	864	0.0	1159	930	1294	1244 B	3296	4150	4382	3158	1668	28
29	1025	865	0.0	1158	897	897	1264	3247	4143	4381	2986	1671	29
30	861	538	0.0	1097	938	938	1260	3244	4145	4355	2987	1669	30
31	716		0.0	541	1262	1262		3249		4197	2882		31
MEAN	1348	747	5.7	455	763	1769	1172	2708	3429	4055	3698	2014	MEAN
MAX.	1982	928	176	1663	1177	2333	1411	3794	4160	4382	4169	2740	MAX.
MIN.	716	538	0.0	0.0	466	897	905	1261	2362	3506	2882	1668	MIN.
AC.FT.	82950	44426	349	27951	42365	108776	69612	166514	204046	249322	227411	119849	AC.FT.

WATER YEAR SUMMARY

- E - Estimated
- NR - No Record
- * - Discharge measurement or observation of no flow made on this day.
- ‡ - E and *
- A - 25 hour day
- B - 23 hour day

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
186	NR				NR				1343571

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 47 45	121 35 05	SW31 1S 4E				JUN 51-DATE		1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 mi. SE of Byron, 10 mi. NW of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 ft. into canal. Records furn. by USBR.

TABLE 118
DAILY MEAN DISCHARGE
CONTRA COSTA CANAL NEAR OAKLEY

STATION NO.	WATER YEAR
895910	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	147	56	52	51	44	58	50	56	91	115	156	135	1
2	120	58	51	50	49	55	53	58	75	115	156	96	2
3	128	56	51	51	51	52	53	65	116	112	148	140	3
4	126	56	53	51	52	51	54	70	122	108	151	159	4
5	123	60	54	51	53	55	52	70	127	111	157	161	5
6	115	61	55	52	56	55	55	55	120	101	166	165	6
7	108	62	55	51	55	54	52	52	98	105	169	164	7
8	109	56	55	52	52	55	53	45	87	107	168	161	8
9	113	73	55	51	48	54	87	56	104	116	161	151	9
10	112	89	56	52	43	54	86	63	113	121	157	156	10
11	106	83	53	52	44	56	77	52	102	124	160	151	11
12	99	78	50	52	50	58	83	55	102	120	167	148	12
13	75	67	50	53	50	57	48	55	110	117	161	142	13
14	82	56	50	50	53	55	49	58	111	111	190	139	14
15	89	55	51	49	54	55	48	62	110	116	192	137	15
16	74	55	48	53	52	51	49	71	109	138	192	134	16
17	76	54	47	61	51	52	57	75	118	149	184	133	17
18	75	52	45	61	49	51	86	77	118	162	177	130	18
19	70	46	48	57	48	54	62	77	128	176	176	128	19
20	58	52	50	57	59	55	49	79	128	181	177	127	20
21	52	51	51	57	62	57	46	74	123	181	183	126	21
22	51	49	53	51	54	57	54	71	122	176	176	128	22
23	54	51	51	56	55	51	81	67	120	181	166	125	23
24	55	52	51	55	55	50	88	67	118	176	156	122	24
25	54	54	50	55	54	52	56	67	129	181	157	119	25
26	50	53	52	52	54	52	56	65	132	181	169	125	26
27	48	50	56	52	58	51	52	69	132	186	168	124	27
28	53	55 A	52	50	58	50	51 B	72	126	160	161	114	28
29	50	50	51	50	50	51	52	73	119	179	162	109	29
30	49	52	52	48	46	51	56	77	118	175	157	108	30
31	52	51	51	46	46	51	51	85	118	161	146	108	31
MEAN	83.0	58.1	51.6	52.5	52.2	53.5	59.2	65.7	114	143	167	135	MEAN
MAX.	147	89	56	61	62	58	87	85	132	186	192	165	MAX.
MIN.	48	46	45	46	43	50	46	45	75	101	146	96	MIN.
ACFT.	5108	3455	3172	3231	2902	3293	3516	4042	6799	8811	10247	8047	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *
A - 25 hour day
B - 23 hour day

MEAN DISCHARGE 86.5	MAXIMUM				MINIMUM				TOTAL ACRE- FEET 62623	
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY
	NR					NR				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 59 45	121 42 00	NE25 2N 2E				FEB 50-DATE	FEB 50-DEC 52	1950	1952	121.72	USCGS

Station located at Pumping Plant No. 1, 0.7 mi. E of Oakley, 2.6 mi. NW of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 ft. into canal. Records furn. by USBR.

TABLE 119
DAILY MEAN DISCHARGE
MOFFLUMNF RIVER AT WOODBRIDGE

STATION NO.	WATER YEAR
R02105	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	139 *	261 *	251	511	1360	810	266	1610 *	3640	694	34	134	1
2	96	254	247	303	3260 *	810	202	1590	2830	314	34	81	2
3	96	275	241	348	4770	743	176	1560	2360	177	39	53	3
4	99	272	232	468	5230	802	167	1550	2220	125	36	46	4
5	88	267	233	567	4940	739	162 *	1540	2030	106	30 *	43 *	5
6	96	253	235	569	2820	794	186	1470	1550 *	74	28	36	6
7	109	260	241	569	1030	808	654	1460	1630	90	30	36	7
8	120	270	233	574	933	789	747	1470	1640	97	30	36	8
9	143	270	250	579	896	824	1140	1480	1490	86	30	40	9
10	185	288	261	576	890	814	1550	1900	1170	1	32	41	10
11	198	274	259	524	858	427	1550	2550	1210	61	35	41	11
12	231	262	259	528	846	592	1990	2710	1460	58	38	40	12
13	322	248	259	572	946	714	1770	2840	1460	54	36 *	41	13
14	334	243	257	574	1070	700	1560	2620	1410	56	44	96	14
15	297	249	263	583	880	711	1840	2670	1340	66	42	126	15
16	271	243	298	571	850	683	1730	2650	1190	64	41	108	16
17	257	249	315	576	824	429	2210	2620 *	1440	67	39	138	17
18	255	248	281	576	808	208	2680	2760	1770	64 *	42	126	18
19	249	249	262	576	800	233	2820	3130	1630 *	64	44	114	19
20	254	249	263	576	794	247	2860	3260	1790	75	50	129 *	20
21	248	238	259	578	814	256	2900	3260	2000	92	54	128	21
22	248	238	194	578	826	257	2930	3260	1640	83	52	121	22
23	253	247	136	581	818	242	2910	3260	1120	58	50	120	23
24	257	239	145	583	816	225	2900	3270	1020	37 *	50	102	24
25	250	241	218	584	814	247	2910	3430	828	30	89	112	25
26	235	245	249	581	822	249	2930	3380	714	32	96	128	26
27	241	263	237	579	834	280	2840	3090	576	31	70	122	27
28	245	254	355	578	844 *	414	2090	3580	633	32	76	124	28
29	250	249	442	406		450	1830	4110	975	36	61	136	29
30	247	251 *	532	332		306	1600	4060	984	32	62	149	30
31	255		547 *	351 *		280		3880		36	94		31
MEAN	212	255	273	531	1479	519	1737	2646	1525	95.5	48.0	91.6	MEAN
MAX.	334	288	547	584	5230	824	2930	4110	3640	694	96	149	MAX.
MIN.	88	238	136	303	794	208	162	1460	576	30	28	36	MIN.
AC.FT.	13020	15170	16770	32630	82110	31900	103300	162700	90740	5880	2950	5450	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE- FEET	
777		5340	22.56	2	4	2100						562600	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE34 4N 6E	27000	29.58	11/22/50	5/24-10/25 δ 1/26-DATE	5/24-DATE	1924	1931	18.9	USCGS
								1931		14.9	USCGS

Station located 0.3 mi. below county highway bridge, 0.4 mi. below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and power plants. Records furn. by USGS. Drainage area is 644 sq. mi.

δ - Irrigation season only

TABLE 120
DAILY MEAN DISCHARGE
DRY CREEK NEAR IONE

STATION NO.	WATER YEAR
B21150	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	0.0	2.0	4.0	9.8	2090 E	21	164	42	16	2.8	0.1	0.0	1
3	0.0	2.0	4.0	9.4	336	20	111	39	15	2.7	0.1	0.0	2
4	0.0	2.0	4.9	9.2	149	19	90	36	13	2.7*	0.1	0.0	3
5	0.0	2.0	5.5	9.0	91	18	77	35	12	2.8	0.1	0.0	4
6	0.0	2.0	4.9	8.4	66	17	74	32	12	2.9	0.1	0.0	5
7	0.0	2.2	4.7	8.2	53	16	452	31	12	2.8	0.1	0.0	6
8	0.0	2.1	4.6	8.0	43	16	736	30	11 *	2.9	0.1	0.0	7
9	0.0	2.1	4.4	7.8	38	15	458	35	10	2.6	0.1	0.0	8
10	0.0	2.3	4.3	7.8	38	16	259	43 *	9.7	2.3	0.1	0.0	9
11	0.0	2.2	4.6	7.4	54	15	176	42	9.0	2.1	0.1	0.0	10
12	0.0	2.3	4.3	7.2	40	14	130	119	11	1.9	0.0	0.0	11
13	0.0	2.3	4.0	6.6	38	13	100	84	10	1.7	0.0	0.0	12
14	150 E	2.3	4.2	6.1	339 *	12	82	60	9.1	1.3	0.0	0.0	13
15	440 #	2.4	4.6	6.4	236	14	210	50	8.2	1.2	0.0	0.0	14
16	55	2.3	9.7	6.7	125	20	211	43	7.7	1.0	0.0	0.0	15
17	23	2.3	197	6.5	89	22	159	39	7.0	0.9	0.0	0.0	16
18	13	2.3	146	6.3	71	51	123	34	6.3	0.7	0.0	0.0	17
19	8.7	2.2	62	6.3	58	37	101	32	5.1	0.5	0.0	0.0	18
20	6.3	2.2	38	5.8	50	28	139	29	4.8	0.5	0.0	0.0	19
21	4.7	2.3	29	6.0	44	25	130	27	4.7	0.5	0.0	0.0	20
22	4.2	2.5*	24	5.8	39	22	136	24	5.0	0.4	0.0	0.0	21
23	3.5	2.4	22	5.8	36	24 *	111	24	5.1	0.4	0.0	0.0	22
24	3.3	2.4	20	5.6	32	68	94	23	5.0	0.3	0.0*	0.0	23
25	2.9	2.7	18	5.6	29	71	81	23	5.0	0.3	0.0	0.0	24
26	2.9	2.6	15	5.6*	27	54	73	22	4.6	0.3	0.0	0.0	25
27	2.9	2.9	14	5.8	25	46	79	21	4.2	0.3	0.0	0.0	26
28	2.8	14	12	5.8	23	159	65	19	3.6	0.2	0.0	0.0	27
29	2.7	7.6	12 *	5.5	22 *	1290 #	55	19	3.5	0.2	0.0	0.0	28
30	2.5	5.3	11	5.9		343	49	20	3.5	0.1	0.0	0.0	29
31	2.3	4.2	11	32		176	45	18	3.4	0.1	0.0	0.0	30
	2.1		10	795 #		152		17		0.1*	0.0		31
MEAN	23.6	3.0	23.0	33.1	153	90.8	159	35.9	7.9	1.3	0.0	0.0	MEAN
MAX.	440 E	14.0	197	195 E	2090 E	1290 E	136	119	16.0	2.9	0.1	0.0	MAX
MIN.	0.0	2.0	4.0	5.5	22.0	12.0	45.0	17.0	3.4	0.1	0.0	0.0	MIN.
ACFT.	1453	180	1416	2038	8491	5581	9461	2206	469	78	2		ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
43.3	4560 E	10.22	2	1	0720	0.0		10	1	0000	31380

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 24 54	120 54 18	SW32 7N 10E	4560E	10.22	2/1/63	FEB 60-DATE	FEB 60-DATE	1960		0.00	LOCAL

Station located 1,000 ft. below State Highway 104 bridge, 4.6 mi. N of Ione. Tributary to Cosumnes River. Drainage area is 70.8 sq. mi.

TABLE 121
DAILY MEAN DISCHARGE
SUTTER CREEK NEAR SUTTER CREEK

STATION NO.	WATER YEAR
B21160	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	3.4	4.5	5.9	2260 E	15	94	50	23	1.9	3.4	1.3	1
2	0.0	3.3	4.6	5.7	279	14	78	46	21	1.4	3.0	1.2	2
3	0.0	3.1	6.0*	5.7	136	13	63	45	20	1.8*	3.1	1.1	3
4	0.0	3.3	1.1	5.5	95	13	54	42	21	1.6	3.0	0.9	4
5	0.0	3.4	6.0	5.5	15	13	52	38	20	1.8	2.7	0.6*	5
6	0.0	3.5	5.4	5.2	61	13	212	37	20	7.9	2.6	0.6	6
7	0.0	3.4	4.8	5.0	49	13	530 E	35	19	7.6	2.7	0.6	7
8	0.0	3.3	4.1	5.0	43	13	303	49	18	7.1	2.7*	0.6	8
9	0.0	3.3	4.7	5.0	41	14	182	65 *	17	6.7	2.8	0.5	9
10	0.0	3.3	4.7	5.0*	53	13	136	51	21	6.6	2.8	0.5	10
11	0.0	3.3	4.4	4.8	39	13	108	120	28	6.4	2.3	0.6	11
12	0.0	3.3	4.2	4.2	34	13	89	82	19	5.8*	2.0	0.9	12
13	91	3.3	4.1	4.0	99 *	13	75	65	17	5.3	1.7	1.4	13
14	270 #	3.3	4.1	4.2	102	15	237	56	16	5.4	1.3	1.6	14
15	30	3.4	9.7	4.2	69	19	239	49	15	5.3	1.3	1.6	15
16	14	3.5	87	4.4	55	20	162	45	14	4.7	1.2	1.6	16
17	9.7	3.5	52	4.4	45	30	123	39	13	5.0	1.2	1.6	17
18	7.9	3.4	24	4.1	38	29	102	36	12	4.9	1.3	1.9	18
19	7.0	3.3	11	4.1	33	21	157	34	11	4.7	1.2	2.1	19
20	5.5	3.5	13	4.4	32	25	144	33	11	4.5	1.2	2.2	20
21	5.2	3.5*	11	4.4	29	21	139	31	11	4.8	1.1	2.0	21
22	4.9	3.5	9.7	4.4	26	21 *	122	29	11	4.6	1.3	1.8	22
23	4.5	3.5	8.4	4.4	23	60	103	27	12	4.9	1.3*	1.7	23
24	4.2	3.5	7.6	4.4	21	62	92	29	11	4.3	1.4	1.6	24
25	4.2	3.5	6.9	4.4	19	42	83	29	10	4.3	1.5	1.4	25
26	4.1	3.5	6.8	4.4	18	37	86	28	10	4.2	1.1	1.2	26
27	3.8	8.9	6.5	4.4	17	70	75	26	9.9	4.0	0.9	1.0	27
28	3.7	7.7	6.2	4.4	16 *	558 #	68	27	9.8	3.5	0.7	0.7	28
29	3.4	5.1	6.1	4.4		171	61	27	9.5	3.3	0.7	0.5	29
30	3.3	4.4	6.1	97		100	56	25	8.5	3.4	0.8	0.3	30
31	3.3		6.1	1060 #		89		24		3.2	1.3		31
MEAN	15.5	3.8	11.4	41.7	136	50.6	134	42.5	15.3	5.5	1.8	1.2	MEAN
MAX.	270 E	8.9	87.0	1060 E	2260 E	558 E	530 E	120	28.0	7.9	3.4	2.2	MAX.
MIN.	0.0	3.1	4.1	4.0	16.0	13.0	52.0	24.0	8.5	3.2	0.7	0.3	MIN.
AC.FT.	951	228	701	2567	7551	3112	7983	2616	910	339	110	71	AC.FT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

- E and *

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET		
	DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME				
37.5	5770 E	6.27	1	31	2400	0.0		10	1	0000	27140

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 23 46	120 46 49	SE 5 6N 11E	5770E	6.27	1/31/63	JAN 36-DEC 41 MAR 60-DATE	JAN 36-DEC 41 MAR 60-DATE	1960		0.00	LOCAL

Station located 0.4 mi. below Volcano Road bridge, 1.3 mi. E of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 50.6 sq. mi.

TABLE 122
DAILY MEAN DISCHARGE
DRY CREEK NEAR GALT

STATION NO.	WATER YEAR
B01520	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.9	6960 *	61	409	163	38	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.1	2740 *	56	291	151	30	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	774	52	234	139	29	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	445 *	46	199	131	25	0.0	0.0	0.0	4
5	0.0	0.0*	0.0	0.0	309	41	178	123	24	0.0*	0.0	0.0	5
6	0.0	0.0	0.0	0.0	240	42	831	117	22	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	189 *	42	4520	111	20 *	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	159	40	2800	109	23	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	144	39	967 *	156	23	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	219	40	613	139	20	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	195 *	38	459	278	20	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	152	33 *	369	316	26	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	1100	29	301	210	19	0.0	0.0	0.0	13
14	893	0.0	0.0	0.0	1290	28	496	163	15	0.0	0.0	0.0	14
15	241	0.0	0.0	0.0	473	39	916	147	8.1	0.0	0.0	0.0	15
16	62	0.0	59	0.0	312	60	614	132	3.1	0.0	0.0	0.0	16
17	16	0.0	453 *	0.0	247	89	435	121	2.5	0.0	0.0	0.0	17
18	5.8	0.0	177	0.0	198	111	361 *	110	1.5	0.0	0.0	0.0	18
19	4.5	0.0	93	0.0	168	82	434	97	0.8	0.0	0.0	0.0	19
20	0.0	0.0*	48	0.0	150	69	479	81	0.2	0.0	0.0	0.0	20
21	0.0	0.0	30	0.0*	128	61	590	69	0.0	0.0	0.0	0.0	21
22	0.0	0.0	20	0.0	109	53	511	72	0.0	0.0	0.0	0.0	22
23	0.0	0.0	12	0.0	100	78	407	75	0.0	0.0	0.0	0.0	23
24	0.0	0.0	12	0.0	91	169	331	69	0.0	0.0*	0.0	0.0	24
25	0.0	0.0	8.8	0.0	84	120	283	67	0.0	0.0	0.0	0.0	25
26	0.0	0.0	6.9	0.0	76	100	293	63	0.0	0.0	0.0	0.0	26
27	0.0	0.0	5.5	0.0	70	94	280	61	0.0	0.0	0.0	0.0	27
28	0.0	0.0	4.3	0.0	64 *	4140	231	56	0.0	0.0	0.0	0.0	28
29	0.0	0.0	3.1	0.0	2000	199	57	57	0.0	0.0	0.0	0.0	29
30	0.0	0.0	2.7	0.0	566	180	61	61	0.0	0.0	0.0	0.0	30
31	0.0	0.0	1.6	422	365	365	45	45	0.0	0.0	0.0	0.0	31
MEAN	39.4	0.0	30.2	13.6	614	283	640	119	11.6	0.0	0.0	0.0	MEAN
MAX.	893	0.0	453	422	6960	4140	4520	316	38	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	64	28	178	45	0.0	0.0	0.0	0.0	MIN.
AC.FT.	2420		1860	839	34090	17420	38100	7320	693				AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
142	9320	13.96	2	1	1600	0.0		10	1	0000	102700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 14 48	121 13 03	NE32 5N 7E	24000	15.28	4/3/58	OCT 26-SEP 33 OCT 44-DATE	OCT 26-SEP 33 OCT 44-DATE	1944	1945	55.83 52.83	USCGS USCGS

Station located below county road bridge, 4 mi. E of Galt. Tributary to Mokelumne River. Records furnished by USGS. Drainage area is 325 sq. mi.

TABLE 123
DAILY MEAN DISCHARGE
DEER CREEK NEAR SLOUGHHOUSE

STATION NO.	WATER YEAR
801580	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	2.9	2.2E	5.0	1150 E	10	59	18	3.7	0.0	0.0	0.0	1
2	0.0	2.7	2.2E	5.0	170	9.1	37	16	3.3	0.0	0.0	0.0	2
3	0.0	2.7	2.5E	4.8	72	8.0	29	16	2.8*	0.0*	0.0	0.0	3
4	0.0	2.7	3.0E	5.0	47	7.2	26	14	2.4	0.0	0.0	0.0	4
5	0.0	2.7	2.6E	4.8	35	7.5	34	13	2.4	0.0	0.0	0.0	5
6	0.0	2.2	2.3E	4.4	26	8.0	849	12	2.3	0.0	0.0	0.0	6
7	0.0	2.4	2.2E	4.4	23	8.5	542	11	2.4*	0.0	0.0	0.0	7
8	0.0	2.0	2.2E	4.7	19 *	8.2	177	11	2.2	0.0	0.0	0.0	8
9	0.0	2.0	2.2E	3.9	18	8.0	86	15 *	2.1	0.0	0.0	0.0	9
10	0.0	2.4	2.1E	4.1	33	8.0	166	12	2.0	0.0	0.0	0.0	10
11	0.0	2.4	2.1E	4.5	22	7.5	148	38	1.8	0.0	0.0	0.0	11
12	0.0	1.8	2.1E	3.9	21	7.0	68	21	1.6	0.0	0.0	0.0	12
13	1670 E	1.9	2.0E	3.8	227	6.5	46	15	1.5	0.0	0.0	0.0	13
14	700 #	1.9	2.0E	4.0	88	6.6	806	13	1.4	0.0	0.0	0.0	14
15	56	1.8	4.6	4.3	47	8.5	369	11	1.4	0.0	0.0	0.0	15
16	24	1.8	124	4.4	33	9.2	151	10	1.3	0.0	0.0	0.0	16
17	15	1.8	141	4.6	28	23	85	9.3	1.0	0.0	0.0	0.0	17
18	10	1.6	37	4.3	25	18	57	8.7	0.8	0.0	0.0	0.0	18
19	7.8	1.6	21	4.0	21	11	66	8.0	0.5	0.0	0.0	0.0	19
20	5.6	1.6	14	4.3	18	9.4	61	7.4	0.3	0.0	0.0	0.0	20
21	5.2	1.9*	10	6.5	17	9.1	65	7.1	0.1	0.0	0.0	0.0	21
22	4.6	1.9	8.5	7.8	15	8.9*	42	6.7	0.0	0.0	0.0	0.0	22
23	4.3	2.0	7.7	8.1	13	22	35	7.4	0.0	0.0	0.0	0.0	23
24	3.8	2.0	7.2	7.1	12	35	29	6.7	0.0	0.0	0.0	0.0	24
25	3.8	2.0	7.7	6.1	11	19	27	6.2	0.0	0.0	0.0	0.0	25
26	3.7	2.0	6.6	5.6	10	15	33	5.9	0.0	0.0	0.0	0.0	26
27	3.3	3.3E	5.8	5.6	9.7	222	30	5.1	0.0	0.0	0.0	0.0	27
28	3.0	2.8E	5.2*	6.3	10	1190	25	5.2	0.0	0.0	0.0	0.0	28
29	3.5	2.3E	4.6	6.4		207	23	4.5	0.0	0.0	0.0	0.0	29
30	3.1	2.2E	4.6	64		86	20	4.9	0.0	0.0	0.0	0.0	30
31	3.0		4.8*	1200 E		56		4.3		0.0*	0.0		31
MEAN	81.6	2.2	14.4	45.5	79.3	66.4	140	11.1	1.2	0.0	0.0	0.0	MEAN
MAX.	1670 E	3.3E	141	1200 E	1150 E	1190	849	38.0	3.7	0.0	0.0	0.0	MAX.
MIN.	0.0	1.6	2.0E	3.8	9.7	6.5	20.0	4.3	0.0	0.0	0.0	0.0	MIN.
AC.FT.	5018	130	885	2800	4405	4084	8313	681	74				AC.FT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE- FEET
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	
36.5	6560E	12.86	10	13	2130	0.0		10	1	0000	26390

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 33 06	121 06 30	NW16 8N 8E	6560E	12.86	10/13/62	NOV 59-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 1.2 mi. above Scott Road bridge, 5.5 mi. NE of Sloughhouse. Tributary to Coconino River.
Drainage area is 46.9 sq. mi.

TABLE 124
DAILY MEAN DISCHARGE
COSUMNES RIVER AT MC CONNELL

STATION NO	WATER YEAR
801125	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	28 *	45	70	14600 *	322	1560	1260 *	706	93	0.0	0.0	1
2	0.0	26	38	69	17300 *	310	1280	1350	671	88	0.0	0.0	2
3	0.0	24	34	64	5030	288	1060	1400	612	79	0.0	0.0	3
4	0.0	21	49	61	2420	280	944	1450	559	79	0.0	0.0	4
5	0.0	20 *	128	59	1740 *	262	892	1480	496	87 *	0.0 *	0.0 *	5
6	0.0	20	91	61	133	252	2460	1480	451	79	0.0	0.0	6
7	0.0	19	67	59	1080	250	8180	1480	421	80	0.0	0.0	7
8	0.0	18	53	58	912	245	9080	1460	385	70	0.0	0.0	8
9	0.0	17	51	58	795	240	4740 *	2360	352	69	0.0	0.0	9
0	0.0	16	45	53	795	235	3210	2170	325	65	0.0	0.0	10
11	0.0	15	43	53	783 *	230	2980	2290	340	56 *	0.0	0.0	11
12	0.0	18	40	52	691	218	2330	2190	349	45	0.0	0.0	12
13	382	22	38	49	1470	208	1800	1810	298	45	0.0	0.0	13
14	6320	21	38	45	2260	200	2740	1590	273	51	0.0	0.0	14
15	2830	19	40	37	1290	202	5930	1470	245	43	0.0	0.0	15
16	668	18	194	41 *	970	238	3880	1420	231	37 E	0.0	0.0	16
17	379	21	1190 *	52	835	270	2720	1380	208	31 E	0.0	0.0	17
18	250	21	692 *	49	743	340	2240 *	1400	190	26 E	0.0	0.0	18
19	185	18	415	46	644	305	2020	1400	172	22 E	0.0	0.0	19
20	142	18	287	44	598	270	2000	1370	159	18 E	0.0	0.0	20
21	113	17	206	41	549	248	1900	1320	147	15 E	0.0	0.0	21
22	95	17	157	43	507	242	1590	1260	124	12 E	0.0	0.0	22
23	84	17	135	43	473	298	1380	1080	117	10 E	0.0	0.0	23
24	70	16	122	44	437	763	1260	1080	117	8 E	0.0	0.0	24
25	62	16	113	44	407	588	1200	1050	117	6 E	0.0	0.0	25
26	56	16	101	44	380	467	1230	968	113	4 E	0.0	0.0	26
27	52	20	88	44	353	422	1220	896	88	3 E	0.0	0.0	27
28	44	55	75	43	335 *	5220	1120	864	113	2 E	0.0	0.0	28
29	38	09	75	43	5440	1090	1090	896	101	1 E	0.0	0.0	29
30	33	61	75	51	2200	1150	836	97	0.0E	0.0	0.0	0.0	30
31	30		72	1900	1380		760		0.0E	0.0	0.0	0.0	31
MEAN	382	24.5	155	110	2133	724	2506	1394	286	39.3	0.0	0.0	MEAN
MAX.	6320	99	1190	1900	17300	5440	9080	2360	706	93	0.0	0.0	MAX
MIN.	0.0	15	34	37	335	200	892	760	88	0.0	0.0	0.0	MIN.
ACFT.	23470	1460	9510	6780	118500	44500	149100	85780	17010	2410			ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE- FEET
633	26200	45.52	2	1	2200	0.0		10	1	0000	458500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 21 29	121 20 34	20 6N 6E	54000	46.26	12, 23 55	10/1-DATE	1, 11-5, 40# 10/41-DATE	1971		0.00	USED

Station located on U. S. Highway 99 bridge, 0.2 mi. S of McConnell, 7.0 mi. N of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by USGS. Drainage area is 730 sq. mi.

- Flood season only

TABLE 125

DAILY MEAN DISCHARGE
MORRISON CREEK NEAR SACRAMENTO

STATION NO.	WATER YEAR
A00020	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OAY
2	4.3	7.1	6.7	3.2	691 *	5.4	26	9.1	7.1	6.2	5.0	4.7	1
3	5.0	6.7	5.8	4.3	157	5.8	20	9.1	7.1	8.6	5.8	4.0	2
4	5.8	6.7	6.2	5.0	67	7.6	15	12	7.6	5.4	6.7	4.0	3
5	5.0	7.6	6.2	5.0	44	5.8	13	11	7.6	5.0	6.7	4.0	4
6	4.7	8.6	5.8	5.0	33	5.0*	14	7.6	5.8	4.7	6.2	4.0	5
7	5.0	8.1	6.2	6.7	26	5.4	107	6.7	7.6	5.4	6.2	4.3	6
8	4.7	6.7	6.2	6.2	21	5.8	215	6.2	8.1	5.4	5.8	4.7	7
9	4.7	5.8	6.2	5.8	22	8.1	91	14	6.2	5.8	4.7	4.0	8
10	5.0*	5.0	6.2	5.4	37	9.6	44 *	9.6	5.8	6.7	4.7	4.7	9
11	5.0	5.0	6.2	5.4	70	7.1	46	24	5.4	7.1	5.0	4.7	10
12	17	5.4	5.8	4.7	39	5.8	46	28	5.4	8.6	5.4	4.0	11
13	118	5.0	6.7	5.0	57	5.4	27	11	5.8	6.7	5.0	9.1	12
14	887	5.4	5.8	5.8	232	5.8	25	7.1	4.7	5.8	4.7	5.8	13
15	1000	5.4	5.4	6.2	136	13	218	6.7	4.0	6.7	4.7	5.4	14
16	143	6.7	22	6.7	53	13	180	6.2	3.5	6.2	4.7	5.4	15
17	48	9.1	52	5.4*	34	31	67	6.2	3.2	5.8	6.7	4.3	16
18	22	8.6	50 *	5.4	26	22	40	5.0	4.7*	5.0	7.6	4.0	17
19	19 *	7.6	20	5.4	20	12	27	4.7	5.4	4.7	7.1	7.1	18
20	16	7.6	13	5.4	16	7.6	23	5.4	6.2	5.0	7.1	7.1	19
21	11	8.1	9.6	5.4	14	7.1	38	5.0	8.1	8.1	7.1	6.7*	20
22	9.6	7.6	9.1	5.0	13	6.7	44	6.7	7.1	6.2	4.3	4.3	21
23	7.6	4.7	7.6	5.0	11	19	29	7.6	6.2	7.1	4.7	5.0	22
24	7.1	5.8	7.6	5.4	10	33	19	5.4	6.7	6.2	4.3	5.8	23
25	6.2	6.7	5.8	5.8	8.6	16	15	5.8	6.2	5.8	4.0	4.3	24
26	6.2	7.6	3.2	5.8	7.6	11	13	6.2	6.2	7.1	5.0	5.4	25
27	6.7	11	5.8	5.4	6.7	9.1	17	8.1	6.2	6.7	5.0	6.2	26
28	7.1	8.6	6.7	5.8	6.2	74	16	8.1	8.1	8.1	7.1	7.6	27
29	7.1	8.1	6.7	5.4	6.2	354	14	6.2	7.1	6.2	6.2	7.1	28
30	7.6	6.7	5.8	13	166	11	11	5.8	7.1	5.8*	5.8	5.4	29
31	7.6	6.2	5.4	114	60	9.1	9.1	6.2	6.2	6.7	4.3	6.2	30
31	8.1	5.4	5.4	462 *	32	32	32	6.7	6.7	5.8	4.3	4.3	31
MEAN	77.8	7.0	10.4	23.9	66.6	31.3	49.0	8.6	6.2	6.3	5.6	5.3	MEAN
MAX.	1000	11	52	462	691	354	218	28	8.1	8.6	7.6	9.1	MAX.
MIN.	4.3	4.7	3.2	3.2	6.2	5.0	9.1	4.7	3.2	4.7	4.0	4.0	MIN.
AC.FT.	4780	415	637	1470	3700	1920	2910	530	370	386	341	316	AC.FT.

WATER YEAR SUMMARY

E - Estimated

NR - No Record

* - Discharge measurement or observation of no flow made on this day.

- E and *

MEAN DISCHARGE 24.6	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 17780
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 29 57	121 27 04	SE32 8N 5E	1320	7.09	10/14/62	JUL 59-DATE	JUL 59-DATE	1960		19.93	USCGS

Station located 1,100 ft. above Florin road in SE Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by USGS. Drainage area is 40.6 sq. mi.

TABLE 12c
DAILY MEAN DISCHARGE
BIOWELL CREEK NEAR FORT BIOWELL

STATION NO	WATER YEAR
GI2200	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.4	12	17	6.1E	90 E	19	13	65	77	23	7.8	5.2	1
2	2.7*	11	30	3.9E	27	19	13	64	68	22	7.8	5.3	2
3	3.3*	11	41	3.0E	42	19	14	76	64	21	7.5	5.0	3
4	4.2	10	30	3.0E	50	18	15	76	61	20	7.2	5.0	4
5	3.6	12	25	3.0E	50	17	35 E	78 E	62	19	7.1	5.0	5
6	3.2	10	24	3.0E	44 #	18	90 E	81 E	56	18	7.0	5.1	6
7	3.3	10	23	3.0E	38	17	65	90 E	55	18	7.0	5.1	7
8	6.8	9.6*	22	3.0E	34	17	55	90 E	55	17	7.1	5.0	8
9	12	15	21	3.0E	33	16	49	81 E	54	15	8.7	4.7	9
10	26	14	20	3.0E	31	15	45	75	53	14	7.5	5.0	10
11	22	13	19	3.0E	28	15	43	73	50	14	7.1	4.7	11
12	50	13	19	3.0E	26	14	41	71	48	13	6.4	5.3	12
13	41	13	18	3.0E	24	15	40	70	48	13	6.3	5.3*	13
14	28	12	19	3.0E	22	14	44	70	47	12	5.9*	5.1	14
15	22	12	24	3.0E	21	14	44	87 E	46	12	5.8	6.6	15
16	18	12	28	3.0E	21	14	42	97 E	45	11	5.6	6.8	16
17	18	12	28	3.0E	20	14	39	112 E	42	12	5.6	5.2	17
18	20	12	27	3.0E	20	13	39	137 E	39	11	5.8	5.2	18
19	22	12	26	3.0E	20	13	39	154 E	38	11	5.7	5.4	19
20	22	14	23	3.0E	23	14	39	149 E	36	10	5.6	5.6	20
21	21	14	21	3.0E	22	13	37	150 E	35	10	5.6	5.5	21
22	22	14	20	3.0E	21	13	38	140 E	36	9.9	5.8	5.2	22
23	19	13	18	3.0E	20	12	40	125 E	33	9.8	5.6	5.0	23
24	18	13	13 E	3.0E	19	12	42	116 E	31	9.5	5.6	4.7	24
25	17	12	13 E	3.0E	21	11	43	106 E	28	9.5	5.5	4.4	25
26	16	17	13 E	3.0E	22	12	43	98 E	27	9.3	5.6	4.3	26
27	15	18	13 E	3.0E	20	13	44	88 E	26	9.1	5.3	4.1	27
28	14	16	14 E	3.0E	20	13	45	79 E	28	8.1	5.3	3.9	28
29	13	15	13 E	3.0E	13	13	52	77	27	8.1	5.1	4.2	29
30	13	17	13 E	3.0E	13	13	61	75	25	7.8	5.2	4.1	30
31	13	11 E	12	12	13	13	78 E	78 E	7.8	7.8	5.4		31
MEAN	16.5	13.0	20.8	3.4	29.6	14.6	41.6	94.5	44.7	13.1	6.3	5.0	MEAN
MAX	50.0	18.0	41.0	12.0	90.0E	19.0	90.0E	154 E	77.0	23.0	8.7	6.8	MAX
MIN.	2.7	9.6	11.0E	3.0E	19.0	11.0	13.0	64.0	25.0	7.8	5.1	3.9	MIN.
ACFT.	1017	771	1281	210	1644	899	2477	5808	2658	803	386	300	ACFT.

WATER YEAR SUMMARY

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

MEAN DISCHARGE 25.2	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 18250
	DISCHARGE	GAGE HT.	MO	DAY	TIME	DISCHARGE	GAGE HT.	MO	DAY	TIME	
	197 E	4.08	2	1	0150	NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M O B B M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 52 57	123 10 25	SE6 46N 16E	374 E	4.32	5, 11/58	4, 55-10/57 # 5/58-DATE	4, 55-10/57 # 5/58-DATE	1958		0.00	LOCAL

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship at times affected by ice. Drainage area is approx. 26 sq. mi.

- Irrigation season only

TABLE 127

DAILY MEAN DISCHARGE
CEDAR CREEK AT CEDARVILLE

STATION NO.	WATER YEAR
G15150	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	0.1	6.3	5.7E	4.1E	10 E	9.5E	8.2	33 E	10 E	3.8E	1.0E	0.5E	1
3	0.1*	5.7	8.7E	4.1E	11	9.2E	8.3*	33 E	9.7E	3.1E	0.9E	0.5E	2
4	0.1	5.4	10 E	NR	13	8.2	8.2	33 E	9.3E	3.1E	0.9E	0.4E	3
5	0.2	5.4	7.7E	NR	13	7.5	8.2	35 E	8.8E	3.2E	0.8E	0.4E	4
6	0.3	5.4	7.3E	NR	12	7.2*	10 E	36 E	8.4E	3.2E	0.8E	0.4E	5
7	0.4	5.4	6.7E	NR	15 E	7.0	30 E	37 E	8.0E	3.3E	0.8E	0.4E	6
8	0.4	5.2	7.0E	NR	17 #	7.0	42 E	37 E	7.6E	3.3E	0.7E	0.3E	7
9	0.5	4.6*	6.4E	NR	17 E	6.4	43 E	38 E	7.2E	2.4E	0.7E	0.3E	8
10	0.8	4.3E	6.4E	NR	14 E	7.0	46 E	38 E	6.9E	2.4E	1.2E	0.3E	9
11	8.7E	5.7E	5.9E	NR	13	6.4	49 E	39 E	6.5E	2.3E	1.1E	0.3E	10
12	15 [†] E	3.6E	5.2E	NR	13	5.9	47 E	40 E	6.1E	2.2E	1.0E	0.2#	11
13	10 E	3.2E	5.4E	NR	13	5.4	40 E	45 E	5.8#	2.2E	0.9E	1.5E	12
14	14 E	3.0E	5.4E	NR	11	5.4	38 E	46 E	5.7E	2.2E	0.6E	1.1E	13
15	16 E	3.0E	5.4E	NR	10	5.4	38 E	43 #	5.6E	2.1E	0.3E	0.9E	14
16	22 E	3.0E	5.4E	NR	9.4	5.4	41 E	39 E	5.5E	2.0E	0.3E	0.8E	15
17	18 E	3.0E	7.0E	NR	9.4	5.4	38 E	36 E	5.4E	2.0E	0.4E	0.6E	16
18	17 E	2.8E	7.0E	NR	9.1	5.4	35 E	31 E	5.3E	1.9E	0.4E	0.6E	17
19	15 E	2.6E	7.0E	NR	9.4	5.3	34 E	29 E	5.1E	1.9E	0.4E	0.6E	18
20	16 E	2.8E	7.0E	NR	9.4	4.7	32 E	28 E	4.9E	1.8E	0.4E	0.5E	19
21	15 E	3.0E	7.0E	NR	9.8	4.5	29 E	26 E	4.7E	1.6E	0.5E	0.5E	20
22	13	2.9E	6.4E	NR	11	4.7	26 E	22 E	4.5E	1.4E	0.5E	0.5E	21
23	12	2.9E	6.4E	NR	11	4.7	24 E	21 E	5.6E	1.4E	0.5E	0.5E	22
24	11	2.6E	5.9E	NR	9.8	4.9	23 E	18 E	4.8E	1.3E	0.6E	0.4E	23
25	11	2.8E	4.9E	NR	9.4	4.9	22 E	17 E	3.9E	1.3E	0.6E	0.4E	24
26	11	2.6E	5.4E	NR	9.8	4.7	23 E	15 E	3.7E	1.2E	0.7E	0.4E	25
27	9.7	4.6E	5.4E	NR	12	5.2	23 E	13 E	3.4E	1.2E	0.7E	0.4E	26
28	8.6	5.6E	4.9E	NR	12	5.5	24 E	11 E	3.2E	1.2E	0.7E	0.4E	27
29	8.3	4.4E	4.9E	NR	12	7.0	25 E	11 E	5.3E	1.1E	0.6E	0.4E	28
30	7.8	4.2E	4.9E	NR	12	7.5	27 E	12 E	4.8E	1.1E	0.6E	0.3E	29
31	7.6	4.3E	4.5E	NR	12	8.2	29 E	11 E	4.3E	1.0E	0.6E	0.3E	30
MEAN	8.9	4.0	6.2	NR	11.6	6.2	29.0	28.5	6.0	2.0	0.7	0.5	MEAN
MAX.	22.0E	6.3	10.0E	NR	17.0E	9.5E	49.0E	46.0E	10.0E	3.8E	1.2E	1.5E	MAX.
MIN.	0.1	2.6E	4.1E	NR	9.1	4.5	8.2	9.7E	3.2E	1.0E	0.3E	0.2E	MIN.
AC.FT.	549	239	379	NR	646	384	1727	1751	357	125	41	30	AC.FT.

E - Estimated
 NR - No Record
 * - Discharge measurement or observation
 of no flow made on this day.
 † - E and *

WATER YEAR SUMMARY

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE-FEET NR			
	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	DISCHARGE NR	GAGE HT.	MO.		DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
+1 3 45	120 11 15	SE6 42N 16E	62	3.95 E	2/8/60	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located below Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship at times affected by ice. Drainage area is approx. 25 sq. mi.

TABLE 128
DAILY MEAN DISCHARGE
EAGLE CREEK AT EAGLEVILLE

STATION NO.	WATER YEAR
G17150	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.8	9.3	4.9	6.5E	60 E	4.5E	3.6	10	41	15	5.3	2.7	1
2	1.9*	8.9	7.2	6.0E	18 E	4.5E	4.5*	11	34	16	5.0	2.7	2
3	1.8*	7.9	11	5.0E	23 E	4.5E	3.8	14	34	16	4.7	2.6	3
4	2.3	7.7	7.0*	5.0E	36 E	4.5E	4.7	13	29	17	4.6	2.5	4
5	2.0	8.4	6.2	4.0E	18 E	4.5#	14 E	17	34	17	4.6	2.5	5
6	1.9	7.5	5.9	3.0E	14 #	4.5	14	16	26	18	4.4	2.5	6
7	2.0	6.6	5.7	3.0E	12 E	4.5	9.5	17	23	18	4.3	2.6	7
8	2.2	6.5*	5.7	2.5E	10 E	4.5	6.9	15	26	15	4.2	2.5	8
9	18	11	5.4	1.5E	9.0E	4.4	6.2	15	28	13 *	4.9	2.5	9
10	33 E	9.4	5.2	1.0E	8.0E	4.5	5.9	13	27	14	4.6	2.5	10
11	26 E	8.3	5.1	1.0E	7.0E	4.4	5.3	12	23	13	4.2	2.4	11
12	40 E	8.0	4.9	1.0E	6.5E	4.4	5.0	11	23	11	3.8	2.4	12
13	39	7.1	4.9	1.0E	6.0E	5.4	5.3	9.8	30	11	3.6	2.5*	13
14	23	6.5	7.2	1.0E	5.5E	4.1	7.0	11 *	43	11	3.6*	2.4	14
15	17	5.7	12	1.0E	5.5E	4.8	5.3	14	47 E	10	3.4	2.3	15
16	14	5.1	14	1.0E	5.5E	4.9	6.5	17	49 E	9.4	3.2	2.3	16
17	14	5.6	11	1.0E	5.0E	5.1	4.8	21	42	8.9	3.1	2.3	17
18	14	5.1	10	1.0E	5.0E	4.0	4.5	25	38	8.4	2.9	2.4	18
19	15	5.0	9.0	1.0E	5.0E	4.2	4.9	42 E	36	8.0	3.0	2.5	19
20	14	5.1	8.3	1.0E	5.5E	4.4	5.0	51 E	42	8.4	3.0	2.5	20
21	15	5.5	7.8	1.0E	5.5E	4.2	5.6	49	39	8.2	3.0	2.6	21
22	15	4.9	7.4	1.0E	5.2E	4.2	4.9	42	34	7.7	2.8	2.6	22
23	14	4.6	6.6	1.0E	5.0E	4.2	4.6	42	26	7.6	2.8	2.4	23
24	14	4.5	6.5E	1.0E	4.5E	3.9	4.5	47 E	21	7.1	3.0	2.3	24
25	14	4.4	6.5E	1.0E	5.0E	3.9	4.1	55 E	19	7.0	2.9	2.2	25
26	13	6.7	6.5E	1.0E	5.5E	4.0	4.3	46 E	19	6.9	2.9	2.2	26
27	12	5.9	6.5E	1.0E	4.5E	4.0	4.4	43	19	6.4	2.8	2.2	27
28	12	5.3	6.5E	1.0E	4.5E	3.8	6.2	47	19	6.3	2.7	2.1	28
29	12	7.2	6.5E	1.0E	3.8	3.8	8.7	49	18	6.1	2.7	2.1	29
30	11	6.8	6.5E	1.0E	3.8	3.8	10	50 E	15	5.9	2.6	2.0	30
31	9.7	6.5E	16 E	3.8	3.8	3.8		48 E		5.5	2.7		31
MEAN	13.7	6.7	7.2	2.4	10.9	4.3	6.1	28.2	30.1	10.7	3.6	2.4	MEAN
MAX.	40.0E	11.0	14.0	16.0E	60.0E	5.4	14.0E	55.0E	49.0E	18.0	5.3	2.7	MAX.
MIN.	1.8	4.4	4.9	1.0E	4.5E	3.8	3.6	9.8	15.0	5.5	2.6	2.0	MIN.
AC.FT.	842	398	445	146	603	266	365	1721	1793	660	221	143	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation
of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
10.5	NR					NR					7614

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 18 38	120 07 27	NR26 40N 16E				MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 0.7 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship at times affected by ice.

TABLE 129
DAILY MEAN DISCHARGE
PINE CREEK NEAR SUSANVILLE

STATION NO	WATER YEAR
G31150	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	39	30	19 E	678	25	86	65	48	0.0	0.0	0.0	1
2	0.0	34	34	18 E	591	20	67	65	38	0.0	0.0	0.0	2
3	0.0	31	117	16 E	485	19	57	69	31	0.0	0.0	0.0	3
4	0.0	28	136	15 E	325	17	65 *	78	26	0.0	0.0	0.0	4
5	0.0	23	93 *	14 E	235	16	95	79	24	0.0	0.0	0.0	5
6	0.0	19 *	63	12 E	178	16	250	77	19	0.0	0.0	0.0	6
7	0.0	16	48	10 E	130	18	393	79	15	0.0	0.0	0.0	7
8	0.0	14	36	8.0E	102	17	418	85	12	0.0	0.0	0.0	8
9	0.0	13	29	6.0E	91	16	288	115	9.3	0.0*	0.0	0.0	9
10	0.0	15	24	4.0E	86	13	197	114	9.3	0.0	0.0	0.0	10
11	0.0	14	19	3.0E	78	11	155	109	8.5	0.0	0.0	0.0	11
12	41	14	16	2.0E	66	8.2	116	107	6.8*	0.0	0.0	0.0*	12
13	119	14	14	1.0E	64	6.3	105	96	5.2	0.0	0.0	0.0	13
14	205	14	13	0.0E	60	7.2	169	79	3.9	0.0	0.0	0.0	14
15	461	12	32	0.0	53	6.1	304	68	3.2	0.0	0.0*	0.0	15
16	341	10	165	0.0E	47	7.4	294	59	2.5	0.0	0.0	0.0	16
17	275	8.2	252	0.0E	47	5.9	252	49	2.1	0.0	0.0	0.0	17
18	200	7.6	216	0.0E	47	6.2	177	43	1.6	0.0	0.0	0.0	18
19	159	6.5	139	0.0E	43	11	133	39	1.2	0.0	0.0	0.0	19
20	153	5.9	87	0.0E	42	19	120	37	1.2	0.0	0.0	0.0	20
21	145	5.7	61	0.0E	43	31	117	38	0.9	0.0	0.0	0.0	21
22	137	5.0	51	0.0E	38	32	118	47	0.6	0.0	0.0	0.0	22
23	137	4.4	42	0.0E	35	30	133	56	0.7	0.0	0.0	0.0	23
24	133	3.8	34 E	0.0E	32	33	118	57	0.2	0.0	0.0	0.0	24
25	110	3.7	30 E	0.0E	31	29	116	45	0.1	0.0	0.0	0.0	25
26	89	6.3E	27 E	0.0E	29	26	124	40	0.0	0.0	0.0	0.0	26
27	76	13 E	25 E	0.0E	28	27	105	34	0.0	0.0	0.0	0.0	27
28	67	19 E	23 E	0.0E	27	32	86	29	0.0	0.0	0.0	0.0	28
29	58	30 E	22 E	2.0E	26	56	78	37	0.0	0.0	0.0	0.0	29
30	53	37	21 E	7.0E	26	76	70	44	0.0	0.0	0.0	0.0	30
31	46		20 E	500 E	99	99		61		0.0	0.0	0.0	31
MEAN	96.9	15.5	61.9	20.5	133	23.8	160	64.5	9.0	0.0	0.0	0.0	MEAN
MAX.	461	39.0	252	500 E	578	99.0	418	115	48.0	0.0	0.0	0.0	MAX.
MIN.	0.0	3.7	13.0	0.0E	27.0	5.9	57.0	29.0	0.0	0.0	0.0	0.0	MIN.
AC.FT.	5958	924	3806	1263	7361	1460	9533	3967	536				AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE-FEET
48.1	806	5.37	2	1	1530	0.0		10	1	0000	34810

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 39 49	120 48 33	SE 2 32N 10E				JUL 56-DATE	JUL 56-DATE	1956		0.00	LOCAL

Station located 1.8 mi. above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship at times affected by ice. Drainage area is approx. 225 sq. mi.

TABLE 130
DAILY MEAN DISCHARGE
WILLOW CREEK NEAR LITCHFIELD

STATION NO	WATER YEAR
G42270	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	48	43	33	1310 E	45	27	34	18	15	13	15	1
2	15	46	43	33	619	44	26	32	18	15	13	15	2
3	15	44	59	34	417	42	26	30	18	15	13	15	3
4	15 *	41	59	34 *	296	40	24 *	28	17	15	13	15	4
5	15	40	51	35	240 *	39	25	26	17	15	13	15	5
6	15	38	46 *	35	197	44 *	71	24	17	15	13	15	6
7	16	37 *	43	36	169	47	214	24	17	15	12	15	7
8	16	37	41	36	150	46	179	25	17	14	12	14	8
9	16	37	40	36	136	43	125	28	17	14	12	15	9
10	16	42	38	37	130	42	106	26	17	14	12	15	10
11	17	40	37	37 E	124	41	96	28	17	14	12	15	11
12	18	39	37	37 E	107	39	85	30	17 *	14	12	15	12
13	NR	38	37	37 E	104	33	76	33	16	14	12	15	13
14	NR	38	36	37 E	98	28	70	31	17	14	12	15	14
15	NR	39	38	37	87	26	75	30	17	14	17	14	15
16	NR	41	73	34	82	27	78	29	17	14	16 *	15	16
17	NR	38	89	35	77	26	74	27	17	14	20	15	17
18	NR	37	82	36	70	27	71	24	17	14	14	15	18
19	176	36	75	36 E	66	26	70	21	17	14	15	16	19
20	150	35	62	36 E	63	26	71	20	16	14	15	16	20
21	134	35	56	36	60	26	70	19	16	14	14	15	21
22	117	35	51	36	58	27	67	19	16	14	13	15	22
23	106	35	48	37	54	26	64	21	16	14	13	15	23
24	94	34	41	37	53	26	58	22	16	13	13	15	24
25	84	34	39 E	39	50	25	54	21	16	14	14	16	25
26	76	34	37 E	38	49	23	52	21	16	13	13	16	26
27	69	44	35 E	33	47	23	51	20	16	13	13	16	27
28	64	54	34	27	45	25	48	19	15	13	14	16	28
29	60	49	33	27	25	25	41	19	15	13	15	16	29
30	56	44	33	38	24	24	36	18	15	13	15	16	30
31	51		33	859 E	25	25		18	15	13	15	16	31
MEAN	NR	39.6	47.4	61.9	177	32.5	71.0	24.7	16.6	14.0	13.6	15.2	MEAN
MAX.	NR	54.0	89.0	859 E	1310 E	47.0	214	34.0	18.0	15.0	20.0	16.0	MAX.
MIN.	NR	34.0	33.0	27.0	45.0	23.0	24.0	18.0	15.0	13.0	12.0	14.0	MIN.
AC.FT.	NR	2358	2914	3804	9834	1995	4225	1521	988	861	839	904	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE NR	MAXIMUM				MINIMUM				TOTAL ACRE- FEET NR
	DISCHARGE NR	GAGE HT.	MO.	DAY	TIME	DISCHARGE NR	GAGE HT.	MO.	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 26 36	120 26 44	SW19 30N 14E				NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located 5.3 mi. NW of Litchfield, 11 mi. NE of Susanville. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice.

TABLE 131

DAILY MEAN DISCHARGE
GOLD RUN CREEK NEAR SUSANVILLE

STATION NO.	WATER YEAR
G41450	1963

in second-feet

DAY	OCT	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	C.4	13	5.4	6.1	364 E	7.0	9.3	42 E	20	6.2	1.5	1.0	1
2	0.4	11	5.7	5.8	75 E	7.5	8.3	51 E	18	5.9	1.5	0.9	2
3	C.4	9.7	8.0	5.4	58 E	6.7	8.4	56 E	16	5.9	1.4	0.8	3
4	C.5*	3.1	9.0	5.1	45 E	7.5	8.2*	59 E	14	5.4	1.3	0.8	4
5	C.5	9.6	9.0	NR	39 E	7.2	8.7	74 E	15	5.4	1.3	0.9	5
6	C.5	8.5	8.8*	NR	29 *	7.0*	135 E	68 E	14	5.1	1.3	1.0	6
7	C.5	7.3*	8.8	NR	24	6.6	142 E	74 E	12	5.0	1.2	0.9	7
8	C.5	5.3	8.8	NR	19	6.4	69 E	59 E	12	4.7	1.3	1.1	8
9	0.4	6.1	8.4	NR	17	6.4	45 E	42 E	11	4.5	1.4	1.1	9
10	1.7	7.4	7.5	NR	17	6.1	33 E	32	11	3.6*	1.3	0.9	10
11	17 E	7.5	6.9	NR	15	5.5	25	28	11	3.3	1.3	0.8	11
12	147 E	7.2	6.7	NR	13	4.9	20	26	10	3.0	1.2	1.9	12
13	105 E	6.9	6.5	NR	14	5.5	19	25	9.6*	2.9	1.1	1.6	13
14	70 E	6.7	6.2	NR	12	5.0	37 E	28	9.4	2.7	1.1	1.4	14
15	25 E	6.7	6.5	NR	11	5.2	35 E	32 E	9.2	2.5	1.1	1.3	15
16	15	6.7	7.9	NR	9.9	5.2	29	43 E	9.2	2.5	1.1*	1.5	16
17	14	6.5	9.2	NR	9.6	5.0	24	49 E	9.6	2.4	1.0	1.6	17
18	13	6.4	9.8	NR	8.8	5.3	20	52 E	9.4	2.5	1.0	1.6	18
19	15	6.2	10	NR	8.6	5.2	18	57 E	9.0	2.4	1.0	2.4	19
20	20	6.1	10	NR	8.8	5.3	17	55 E	8.3	2.2	1.0	1.6	20
21	22	5.6	9.9	NR	8.8	5.3	15	52 E	7.9	2.1	1.0	1.4	21
22	24	5.2	9.4	NR	8.1	4.9	16	46 E	7.7	2.1	1.0	1.3	22
23	25	5.2	8.8	NR	7.9	4.7	16	41 E	8.1	2.0	1.0	1.3	23
24	24	5.1	8.1	NR	8.1	5.0	17	38 E	8.3	1.9	1.0	1.3	24
25	22	5.0	9.2	NR	7.7	5.2	17	36 E	7.5	2.0	1.0	1.3	25
26	22	5.2	16	NR	8.1	5.2	16	33	7.2	1.9	1.0	1.2	26
27	19	6.3	30	NR	7.6	15 E	15	30	6.9	1.8	1.0	1.2	27
28	16	6.4	20	NR	7.7	38 E	17	26	6.7	1.8	1.0	1.2	28
29	16	5.9	11	NR	NR	29	23	25	6.4	1.6	0.9	1.2	29
30	16	5.7	8.2	NR	NR	17	31 E	22	6.4	1.6	0.9	1.2	30
31	14		6.9	896 E		10		21		1.5	1.0		31
MEAN	21.5	7.0	9.6	NR	30.8	8.4	29.8	42.6	10.4	3.2	1.1	1.3	MEAN
MAX.	147 E	13.0	30.0	NR	364 E	38.0 E	142 E	74.0 E	20.0	6.2	1.5	2.4	MAX.
MIN.	C.4	5.0	5.4	NR	7.6	4.7	8.2	21.0	6.4	1.5	0.9	0.8	MIN.
AC.FT.	1323	418	588	NR	1709	515	1773	2622	616	195	70	75	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM				MINIMUM				TOTAL ACRE-FEET NR	
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY
NR		4.76	1	31	1820	NR				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 21 26	120 42 11	SE23 29N 11E		4.76	1/31/63	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located 5.0 mi. SW of Susanville. Tributary to Honey Lake via Susan River. Stage-discharge relationship at times affected by ice. Drainage area is 7.2 sq. mi.

TABLE 132
DAILY MEAN DISCHARGE
LONG VALLEY CREEK NEAR DOYLE

STATION NO.	WATER YEAR
661200	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	DAY
1	3.2	3.7	8.3	8.2E	1640 E	40 E	32 E	34 E	17 E	5.4	3.8	16 E	1
2	3.2	4.0	8.1	8.2E	430 E	40 E	27 E	37 E	14 E	6.8	4.4	19 E	2
3	3.0*	4.5	8.1	8.4	162 E	34 E	22 E	35 E	12 E	6.3	3.7	21 E	3
4	3.8	4.4	9.4	10 *	68 E	27 E	22 #	35 E	13 E	4.9	3.1	12 E	4
5	4.6	5.4	8.4	7.6	158 #	26 E	23 E	37 E	17 E	5.0	2.6	6.9	5
6	4.7	6.5	8.1*	7.8	62 E	25 E	425 E	39 E	19 E	4.6	3.2	7.8	6
7	5.0	6.1*	8.4	8.8	80 E	24 #	570 E	28 E	17 E	4.1	3.4	7.2	7
8	6.3	7.0	8.2	7.2	101 E	20 E	390 E	53 E	13 E	6.6	4.4	7.3	8
9	7.3	7.6	8.4	7.4	119 E	19 E	216 E	107 E	10	6.2	3.2	6.9	9
10	9.1	8.8	7.8	7.5	408 E	16 E	127 E	52 E	25 E	6.6*	5.6	5.3	10
11	10	8.4	7.6	6.6	317 E	15 E	101 E	42 E	21 #	8.1	6.9	5.5	11
12	12 E	8.8	7.2	7.0E	131 E	15 E	70 E	35 E	15 E	12	6.5	4.5*	12
13	101 E	8.2	6.8	7.0E	194 E	13 E	50 E	36 E	12 E	11	5.6	5.0	13
14	620 E	7.8	8.2	7.0E	206 E	12 E	45 E	46 E	12 E	11	5.5	5.6	14
15	20 E	6.5	8.9	7.0E	159 E	13 E	59 E	44 E	35 E	11	4.4	4.7E	15
16	2.6	7.4	12 E	7.0E	150 E	16 E	57 E	31 E	14 E	10	4.9	4.7E	16
17	1.3	7.1	16 E	7.0E	148 E	19 E	51 E	27 E	98 E	9.8	3.3	4.7E	17
18	1.4	7.2	15 E	7.0E	135 E	16 E	55 E	30 E	16 E	11	4.4	4.7E	18
19	1.4	6.6	11	7.0E	125 E	14 E	64 E	30 E	8.2	13 E	4.6	4.7E	19
20	1.4	6.6	9.6	7.0E	124 E	15 E	100 E	28 E	6.7	13 E	4.6	4.7E	20
21	1.4	6.4	9.5	7.0E	114 E	15 E	98 E	35 E	4.8	11	3.7	4.7E	21
22	1.6	7.8	9.0	8.8E	99 E	11	93 E	50 E	4.4	9.8	4.4	4.7E	22
23	1.4	7.5	8.8	7.8	78 E	14 E	72 E	98 E	12 E	6.5	7.9	4.7E	23
24	1.6	7.5	7.5	9.0E	76 E	12 E	68 E	136 E	12 E	5.3	9.7	4.7E	24
25	1.6	7.1	7.1	7.9E	74 E	12	61 E	66 E	11	7.7	9.6	4.7E	25
26	2.0	6.7	8.9E	7.9	69 E	11	45 E	44 E	9.7	6.0	9.8	4.7E	26
27	1.9	9.0	9.0E	8.8	63 E	12 E	36 E	33 E	7.1	4.5	11	4.7E	27
28	1.8	8.6	9.0E	7.4	50 E	75 E	34 E	29 E	6.9	5.4	13 E	4.7E	28
29	2.5	7.8	9.0E	8.8		32 E	36 E	450 E	6.2	4.3	10	4.7E	29
30	2.8	7.6	9.0	170 E		22 E	35 E	206 E	6.8	5.6	11 E	4.7E	30
31	3.2		8.0	1520 E		22 E		23 E		4.2	18 E		31
MEAN	27.2	7.0	9.0	61.7	198	21.2	103	63.7	15.9	7.6	6.3	6.8	MEAN
MAX.	620 E	9.0	16.0E	1520 E	1640 E	75.0E	570 E	450 E	98.0E	13.0E	18.0E	21 E	MAX.
MIN.	1.3	3.7	6.8	6.6	50.0E	11.0	22.0E	23.0E	4.4	4.1	2.6	4.5	MIN.
ACFT.	1672	414	556	3797	10980	1303	6117	3919	944	469	389	407	ACFT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE 42.8	MAXIMUM					MINIMUM					TOTAL ACRE- FEET 30970
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
	NR					NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 55 44	120 01 06	SE13 24N 17E				DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 395 bridge, 8.1 mi. SE of Doyle. Tributary to Honey Lake. Stage-discharge relationship at times affected by ice. Drainage area is approx. 150 sq. mi.

TABLE 133
DAILY MEAN DISCHARGE
BLAKWOOD CREEK NEAR TAHOE CITY

STATION NO.	WATER YEAR
G74100	1963

in second-feet

DAY	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	OAY
2	1.8F	17	11	12 E	NR	NR	NR	NR	NR	27 E	6.4	2.3	1
3	1.8F	16	21	11 E	NR	NR *	NR	NR	NR	27 E	5.9	2.2	2
4	1.8F	15	63	10	NR	NR	NR	NR	NR	26 E	5.6	2.1	3
5	1.8F	16	38	10	NR	NR	NR	NR	NR	23 E	5.9	2.1	4
6	1.8F	15	31	9.2	NR	NR	NR	NR	NR	23 E	5.3	2.3	5
7	1.8F	15	26	9.1	NR	NR	NR	NR	NR	22 E	5.1	2.1	6
8	1.8F	14	24	9.1	NR	NR	NR	NR	NR	21 E	4.9	2.2	7
9	1.8F	13	22	8.5	NR	NR	NR	NR	NR	19 E	5.2	2.4	8
10	1.5#	15	19	7.3	NR	NR	NR	NR	NR	18 E	4.9	2.5	9
11	7.5	27	18	7.0	NR	NR	NR	NR	NR	18 E	4.5	2.6	10
12	20	16	16	6.5E	NR	NR	NR	NR	NR	16 E	4.6	2.7*	11
13	63	15	15	6.0E	NR	NR	NR	NR	NR	16 E	4.5	3.2	12
14	252	13	15	5.5E	NR	NR	NR	NR	NR	16	4.3	2.9	13
15	109	14	16	5.5#	NR	NR	NR	NR	NR	15	3.9*	2.5	14
16	46	13	60	5.7E	NR	NR	NR	NR	NR	14	3.8	2.5	15
17	32	13	80	5.7E	NR	NR	NR	NR	NR	13	3.9	2.4	16
18	27	12	54	5.7E	NR	NR	NR *	NR	NR	12	3.7	2.6	17
19	26	10	48	5.7	NR	NR	NR	NR	NR	11 *	4.2	3.0	18
20	28 *	9.8	40	4.4E	NR	NR	NR	NR	NR	11 *	3.9	2.9	19
21	26	11	35	4.4E	NR	NR	NR	NR	NR	11	3.8	3.1	20
22	25	10	30	4.9	NR	NR	NR	NR	NR	10	3.6	2.8	21
23	24	10	27	4.3	NR	NR	NR	NR	NR	9.6	3.5	2.6	22
24	23	11	25	4.4	NR	NR	NR	NR	NR	9.1	3.3	2.8	23
25	24	9.1	19	4.3	NR	NR	NR	NR	NR	8.4	3.4	2.5	24
26	21	8.5	15 E	4.3	NR	NR	NR	NR	NR	7.9	3.2	2.5	25
27	19	9.4	16 F	4.2	NR	NR	NR	NR	35 E	7.5	2.3	2.4	26
28	17	10	15 #	3.9	NR	NR	NR	NR	34 E	7.8	1.5	2.6	27
29	16	13	13	3.6	NR	NR	NR	NR	32 E	7.4	1.9	2.6	28
30	17	11 *	13	4.1	NR	NR	NR	NR	29 E	7.0	1.9	2.5	29
31	16	9.0	13	NR	NR	NR	NR	NR	27 F	7.0	2.0	2.2	30
MEAN	28.1	13.0	27.4	NR	NR	NR	NR	NR	NR	14.4	4.0	2.5	MEAN
MAX.	252	27.0	80.0	NR	NR	NR	NR	NR	NR	27.0E	6.4	3.2	MAX
MIN.	1.5E	8.5	11.0	NR	NR	NR	NR	NR	NR	6.5	1.5	2.1	MIN.
AC.FT.	1726	775	1686	NR	NR	NR	NR	NR	NR	887	244	151	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE-FEET
	DISCHARGE	GAGE HT.	MO.	DAY	DISCHARGE	GAGE HT.	MO.	DAY	
NR	NR				NR				NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 06 27	120 09 37	NE36 15N 16E	401E	6.50	5/23/48	JAN 58-DATE	JAN 58-DATE	1958		0.00	LOCAL

Station located below State Highway 89 bridge, 4.6 mi. S of Tahoe City. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice. Drainage area is 11.2 sq. mi.
This station was turned over to the USGS for operation effective Oct. 1, 1963.

TABLE 134
DAILY MEAN DISCHARGE
TROUT CREEK NEAR TAHOE VALLEY

STATION NO.	WATER YEAR
G73100	1963

in second-feet

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	15	17	12 E	352 E	35	31	57	120	69	31	18	1
2	15	15	17	11 E	132 E	35 *	30 E	60	115	66	30	17	2
3	15	14	20	12 E	102	34	32	61	114	64	30	16	3
4	13	15	17	12 E	88	32 E	33	60	98	62	30	16	4
5	12	15	16	12 E	83	33 E	35	68	108	60	29	17	5
6	12	14	15	12 E	67	34 E	46	75	111	57	29	18	6
7	12	15	16	12 E	60	34	46	81	100	55	29	18	7
8	11	15	15	12 E	55	34	41	92	97	55	28 *	18	8
9	10	16	15	11 E	52	34	37	88	96	53	27	17	9
10	11 *	18	15	12 E	49	33	35	75	108	49	26	16	10
11	12	17	15	9.8E	46	33	35 E	66	96	47	25	16	11
12	15	16	14	9.0E	43	33	35	61	94	45	24	16	12
13	31	16	15 *	9.5E	44	32 E	36	61	100	45	23	20	13
14	35	17	15	9.7#	42	31 E	40	61	102	45	22	17	14
15	21	16	18	11 E	40	30 E	37	64 #	104	43	22	15	15
16	18	16	25	11 E	40	30 E	35 E	70	115 E	42	22	15	16
17	17	16	19	11 E	39	31 E	32 #	79	151 E E	41	21	16	17
18	18	16 E	18	11 E	38	31 E	32 E	90	160	41	21	18	18
19	18 *	14 E	16	10 E	38	30 E	32 E	99	144 E E	39 *	20	21	19
20	18	15	15	11 E	38	32 E	32 E	101	138 E	38	20	20	20
21	18	14	14	11 E	37	33	31 E	101	128 E	37	19 *	18	21
22	18	15	13	11 E	36	32	31 E	109 E	119	36	19	16	22
23	18	15	13	12 E	36 E	31	33 E	109 E	116	36	19	16	23
24	18	16	11 F	12 E	36	32 E	36	106	101	35	18	16	24
25	17	16	11 F	12 E	36	31 E	35	114	93 *	34	18	16	25
26	17	16	11 F	12 E	36	32	34	110	88	34	18	15	26
27	16	17	11 #	11 E	36	34	35	111 E	84	33	18	15	27
28	16	16	12 F	11 E	35	33 E	38	122 E	81	33	18	15	28
29	16	14 #	12 E	12	35	32 E	43	122 E	75	32	17	14	29
30	16 #	15 E	12 E	65 E	33	33	50	128 E	72	32	18	15	30
31	15 E		12 E	291 E	33	33		124 E		31	20		31
MEAN	16.6	15.5	15.0	22.0	62.0	32.5	35.9	87.9	108	44.8	22.9	16.7	MEAN
MAX.	35.0	18.0	25.0	291 E	352 E	35.0	50.0	128 E	160 F	69.0	31.0	21.0	MAX
MIN.	10.0	14.0	11.0E	9.0E	35.0	30.0E	30.0E	57.0	72.0	31.0	17.0	14.0	MIN.
AC.FT.	1021	922	922	1351	3443	1997	2138	5405	6403	2755	1410	994	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL ACRE-FEET	
	DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY		TIME
39.7	533E	11.14	2	1	0040	NR						28760

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 55 12	119 58 17	SE 3 12N 18E	533E	11.14	2/1/63	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located on upstream side of Martin Ave. bridge, 1.8 mi. E of Tahoe Valley. Prior to Oct. 30, 1962, station located 15 ft. below Martin Ave. bridge. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice. Flow affected by upstream diversions. Drainage area is 36.7 sq. mi. This station was turned over to the USGS for operation effective Oct. 1, 1963.

TABLE 135
DAILY MEAN DISCHARGE
UPPER TRUCKEE RIVER NEAR MEYERS

STATION NO.	WATER YEAR
G71800	1963

in second-feet

DAY	OCT.	NDV	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEPT.	DAY
2	4.8	14	9.9	9.8E	3620 E	45	36	106	428 E	122	25	11	1
3	4.3	13	12	9.6E	364 E	44 *	35 E	126	452 E	119	24	11	2
4	4.6	12	24	9.6E	268	42	36	164	331 E	109	23	11	3
5	4.2	11	21	9.3E	253	39 E	41	191	245	101	22	10	4
6	4.4	11	17	9.0E	219	37 E	51	224	276	97	21	11	5
7	4.6	10	16	9.5E	137	38	89	251	244	97	20	11	6
8	4.6	10	15	9.0E	115	39	85	250	229	97	20	11	7
9	4.6	9.7	14	9.7E	100	38	67	262	308	92	25	12	8
10	6.5*	9.6	13	9.5E	87	39	59	203	357 E	88	26	11	9
11	5.8	13	13	9.5E	78	37	53	138	344	81	21	9.0	10
12	7.4	12	12	9.5E	72	36	51	108	243	74	20	8.7*	11
13	16	12	12	8.4E	66	36	51	94	339 E	72	18	9.0	12
14	51	11	12	7.3E	70	35	55	93	381 E	75	17	17	13
15	46	11	12	7.0*	60	34	64	96	443 E	69	16 *	11	14
16	24	12	20	7.0	57	33 E	58	123 *	481 E	60	14	9.8	15
17	20	10	54	7.1	56	36	53	192	580 F	54	13	9.0	16
18	18	9.4	35	6.7F	52	35	52 #	287	677 E	51	13	9.2	17
19	18	9.4	29	6.6	50	34	50	414 E	619 E	48 *	13	10	18
20	19 *	9.2	24	6.3E	50	33 E	47	522 E	532 E	49 *	12	12	19
21	21	10	21	6.3E	50	35 E	45 E	573 E	470 E	47	12	12	20
22	21	9.9	19 E	6.4E	49	37	44	582 E	321	44	11	11	21
23	22	10	17 F	6.5E	47	37	42 E	655 E	238	42	11	9.5	22
24	22	9.3	16 F	6.5E	46	37	44	668 E	190	39	11	8.5	23
25	20	9.5	12 F	6.5E	45	38 E	46	583 E	159	37	11	8.2	24
26	19	9.1	12 F	6.9E	45	37 E	47	528 E	171 *	35	11	7.6	25
27	19	9.6	11 F	7.5E	51	37	44	455 E	200	33	10	7.1	26
28	17	10	12 #	7.1E	50	41	44	461 E	198	32	9.7	6.9	27
29	17	10	11 F	7.0	46	41 E	50	483 E	151	31	9.5	6.4	28
30	16	9.2F	11 F	7.4	40 E	40 E	64	460 E	114	30	9.5	6.3	29
31	15	8.9#	11	71	39	85	85	476 E	116	28	10	5.9	30
31	14	10 E	10 E	2080 E	12300	2315	3150	439 E	19510	27	12	5.1	31
MEAN	15.8	10.5	17.0	76.8	222	37.6	52.9	329	328	63.9	15.8	9.8	MEAN
MAX.	51.0	14.0	54.0	2080 E	3620 E	45.0	89.0	668 E	677 E	122	26.0	17.0	MAX.
MIN.	4.2	8.9F	9.9	6.3E	45.0	33.0E	35.0E	93.0	114	27.0	9.5	5.9	MIN.
AC.FT.	973	624	1047	4720	12300	2315	3150	20250	19510	3927	973	581	AC.FT.

E - Estimated
NR - No Record
* - Discharge measurement or observation of no flow made on this day.
- E and *

WATER YEAR SUMMARY

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE- FEET	
97.2		7530E	12.41	2	1	0150	NR					70370	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO DN GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TD		
38 50 35	120 01 25	SE31 12N 18E	7530E	12.41	2/1/63	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located approx. 0.1 mi. E of State Highway 89, 1.1 mi. SW of Meyers. Tributary to Lake Tahoe. Stage-discharge relationship at times affected by ice. Drainage area is 33.1 sq. mi. This station was turned over to the USGS for operation effective Oct. 1, 1963.

TABLE 146

STREAM FLOW MEASUREMENTS AT MISCELLANEOUS SITES

Measurements of streamflow at points other than gaging stations are listed in the following table. Points where flow has not been computed are listed in the following table.

Stream	Tributary	Location	Measurements		
			Date	Gage Height (ft)	Discharge (cfs)
American River at Sacramento	Sacramento River	SW $\frac{1}{4}$, Sec. 3, T6N, R5E	3-15-63	15.17	148
Bear River - 5.2 mi. above Hwy 99E Br.	Feather River	NW $\frac{1}{4}$, Sec. 29, T14N, R6E	7-29-63		14.6
4.8 mi. above Hwy 99E Br.		NW $\frac{1}{4}$, Sec. 29, T14N, R6E	7-29-63		11.7
4.4 mi. above Hwy 99E Br.		SE $\frac{1}{4}$, Sec. 30, T14N, R6E	7-29-63		17.6
3.8 mi. above Hwy 99E Br.		NW $\frac{1}{4}$, Sec. 31, T14N, R6E	7-29-63		12.5
3.1 mi. above Hwy 99E Br.		SW $\frac{1}{4}$, Sec. 31, T14N, R6E	7-29-63		12.5
2.3 mi. above Hwy 99E Br.		SW $\frac{1}{4}$, Sec. 36, T14N, R5E	7-29-63		14.7
0.6 mi. above Hwy 99E Br.		T14N, R5E	7-30-63		14.7
			7-30-63		14.3
0.5 mi. above Hwy 99E Br.		T13N, R5E	7-30-63		16.1
0.5 mi. below Hwy 99E Br.		T13N, R5E	7-30-63		17.5
		7-30-63		14.1	
		7-30-63		14.1	
near Mouth	NE $\frac{1}{4}$, Sec. 20, T13N, R5E	6-26-63		7.18	
		9-5-63		8.2	
Cache Creek - 15.2 mi. above Moore Dam	Yolo Bypass	T10N, R1E	3-17-63		167
14.3 mi. above Moore Dam		T10N, R1E	3-17-63		165
			3-14-63		163
			3-22-63		147
13.2 mi. above Moore Dam		T10N, R1E	3-17-63		171
			3-14-63		162
			3-22-63		145
12.5 mi. above Moore Dam		T10N, R1E	3-14-63		158
			3-22-63		136
11.3 mi. above Moore Dam		T10N, R1E	3-17-63		173
10.8 mi. above Moore Dam		T10N, R1E	3-15-63		134
9.8 mi. above Moore Dam		T10N, R1E	3-15-63		124
9.1 mi. above Moore Dam		T10N, R1E	3-15-63		119
8.2 mi. above Moore Dam		T10N, R1E	3-15-63		117
Feather River below Garden Hwy Mutual - Ml. 13.0		Sacramento River	NE $\frac{1}{4}$, Sec. 25, T13N, R3E	6-26-63	
			7-9-63		2193
			7-24-63		1386
			8-7-63		515
			8-21-63		206
			9-5-63		487
below Herringer Bros. Pump - Ml. 46.0	NE $\frac{1}{4}$, Sec. 22, T17N, R3E		6-25-63		1832
			7-8-63		1418
			7-23-63		965
			8-6-63		108
		8-20-63		247	
		9-4-63		174	
at Mouth - Ml. 0.0	NE $\frac{1}{4}$, Sec. 22, T11N, R3E	6-26-63		3166	
		7-9-63		1900	
		7-24-63		136	
		8-7-63		472	
		8-21-63		439	
		9-5-63		445	
below Sunset Pumping Plant - Ml. 38.0	NE $\frac{1}{4}$, Sec. 16, T16N, R3E	6-25-63		1790	
		7-8-63		1386	
		7-23-63		896	
		8-6-63		607	
		8-20-63		37.0	
		9-4-63		47.0	
below Sutter Butte Canal - Ml. 56.8	SE $\frac{1}{4}$, Sec. 10, T18N, R3E	6-25-63		1758	
		7-8-63		1427	
		7-23-63		1025	
		8-6-63		51.1	
		8-20-63		265	
		9-4-63		117	
Honcut Creek near Mouth	Feather River	NW $\frac{1}{4}$, Sec. 23, T17N, R3E	6-25-63		2.64
			7-8-63		24.1
			7-23-63		24.2
			8-6-63		25.4
			8-20-63		28.6
			9-4-63		6.41
Jack Slough near Mouth	Feather River	SE $\frac{1}{4}$, Sec. 11, T15N, R3E	6-25-63		196
			7-8-63		182
			7-23-63		245
			8-6-63		276
			8-20-63		278
			9-4-63		300
Palermo Canal below Turnout	SE $\frac{1}{4}$, Sec. 4, T19N, R4E	5-2-63		25.1	
Walthall Slough (A)	San Joaquin River	NW $\frac{1}{4}$, Sec. 14, T2S, R6E	10-3-62	3.34	47.1
			11-2-62	3.15	16.2
			12-5-62	2.91	13.0
			12-28-62	2.94	15.7
			1-20-63	2.54	17.3
			6-28-63	3.2	45.1
			7-30-63	3.26	49.2
			8-27-63	3.32	40.5
			9-18-63	3.67	45.8
West Branch Feather River near Paradise	Feather River	SE $\frac{1}{4}$, Sec. 6, T22N, R2E	10-2-62	1.24	0.76
			10-13-62	17.62	17.0
			10-16-62	6.24	655
			11-2-62	3.70	48.4
			12-4-62	3.63	8.8
			1-3-63	3.97	121
			2-2-63	3.83	240.5
			3-1-63	4.07	198
			4-2-63	4.4	45.1
			5-2-63	5.35	15.7
			6-4-63	4.6	266
		7-2-63	3.06	59.7	
		8-5-63	2.21	4.3	
		9-3-63	2.25	4.6	

TABLE 13C

STREAM FLOW MEASUREMENTS AT MISCELLANEOUS SITES (contd.)

Measurements of streamflow at points other than gaging stations or at points where flow has not been computed are listed in the following table

Stream	Tributary	Location	Measurements		
			Date	Gage Height (ft)	Discharge (cfs)
Yuba River near Mouth	Feather River	SW $\frac{1}{4}$, Sec. 24, T15N, R3E	6-26-63		1123
			7-9-63		492
			7-24-63		265
			8-7-63		253
			8-21-63		224
			9-5-63		188
Little Petal Slough near Terminus		T3N, R4E	6-18-63 to 6-19-63		2860 (B) 2860 (B)
Middle River at Bacon Island, East		T1N, R4E	4-25-63 to 4-26-63		702 (B) 704 (B)
Middle River at Bacon Island, West		T1N, R4E	4-25-63 to 4-26-63		1060 (B) 1320 (B)
Mowelumbe River below Highway 12		T3N, R4E	6-18-63 to 6-19-63		5690 (B) 5720 (B)
Old River at Clifton Court Ferry		T1S, R4E	4-23-63 to 4-26-63		4300 (B) 4520 (B)
Old River at Head		T1S, R6E	9-18-63 to 9-19-63		1230 (B) 1240 (B)
Old River near Mansion House		T1N, R4E	4-23-63 to 4-24-63		3260 (B) 3130 (B)
Old River near Rock Slough		T1N, R4E	4-25-63 to 4-26-63		2640 (B) 2590 (B)
San Joaquin River above Old River		T1S, R6E	9-18-63 to 9-19-63		1620 (B) 1610 (B)

A Measurement of Walthall Slough flow to Weatherbee Lake. The flow of South San Joaquin Irrigation District Drain 11 near Marteca is included. Gage heights shown are at that gaging station.

B Flows shown are mean cyclic flows for the period of the measurement. They are obtained by plotting a hydrograph from each of the measurements made over the four phases of the cycle.

TABLE 137
 DIVERSIONS - SACRAMENTO RIVER
 (Sacramento to Verona)
 October 1962 through September 1963

WATER USER	MILE AND BANK ABOVE Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET					
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.				
--TOWER BRIDGE - SACRAMENTO--	0.0																		
--OAGINO STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6																		
City of Sacramento	0.8L	5-18 2-20 2-24	2910	2440	2180	2250	1890	2200		3130	4590	5010				37811			
--AMERICAN RIVER--	1.1L																		
--BACK BORROW PIT RECLAMATION DISTRICT 1000--	1.3L																		
American Home Company	1.45R	1-8									5	68	96	46		246			
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)	2.1L																		
Elmer P. Christophel	2.15L	1-8										24	31	6					
D. D. Farr	3.15L	1-6								NO DIVERSION									
Rose Orchard, Incorporated	3.55R	1-16										117	127	101	9	354			
M. Ouyang	4.0	1-10										65	91	118	3	277			
--OAGING STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0																		
Reese and Greer	4.65R	1-7										33	40	7		82			
George W. Reed	5.05R	1-12	70									7	66	69	72	254			
Beatty Ramsey a	5.25R	1-8	1									61	53	53	29	206			
Beatty Ramsey b	5.3R	1-6										49	37	66	34	182			
Carl and Ray Casselman	5.5R	1-6										20	31	33	1	85			
Frank and Ruth Lang	5.55R	1-8												22	51	73			
Riverside Mutual Water Company	6.1L	2-18	82									696	1320	1570	1340	756			
--RECLAMATION DISTRICT 1000 DRAIN No. 3--	6.85L																		
Fred C. Jones	7.5L	1-8											33	37	13	15	98		
A. Marty and C. Inderkum	7.7R	1-10										21	133	109	118	79	460		
Candido Rosa	7.8L	1-10											31	42	65	138			
E. D. Willey	7.9L	1-10											23	79	29	8	139		
A. Marty and C. Inderkum	8.3R	2-8											40	28	52	120			
Pong Shee Farm	9.3L	1-10											151	256	121	696			
Henry Amen and E. C. Peabody	9.35R	1-14											162	189	137	34	522		
Fred C. Jones	9.8L	1-8											3	7	4	14			
Marbet Land Company c	9.9R	1-12											18	143	133	71	377		
Lloyd M. Robbins	10.25L	1-14											61	222	463	746			
Thomas M. Erwin	10.65R	1-12											11	20	106	104	301		
Edward Russell	10.75L	1-12								NO DIVERSION									
W. A. Ten Eyck	11.1R	1-12	22										108	165	188	36	519		
--ELKHORN FERRY--	11.9																		
Woodland Farms, Incorporated	12.0R	4-36	295	664	478							6520	9310	2620	2140	5340	17760		
Thomas O'Connor Estate	12.5R	1-12											4	76	28	57	198		
William Plumb, Jr.	12.7R	1-6								NO DIVERSION									
Lewis Thornton	12.95L	1-4								NO DIVERSION									
S. C. Farms, Incorporated	13.1R	1-12												353	6	359			
S. C. Farms, Incorporated	13.25R	1-12											50	145	108	185	95	580	
Natomas Central Mutual Water Company	14.1L	1-24 1-30	124										32	787	2530	2800	2640	1260	10170
Joseph Veressa	14.25R	1-14												143	190	32	109	674	
A. Bianchi	15.1L	1-4								NO DIVERSION									
W. F. Becker	15.1R	1-16												24	82	73	34	213	
Natomas Central Mutual Water Company	16.0L	1-24 2-32 2-38												589	6480	6850	5010	2410	37540
Hershey Estate	16.27R	1-20								NO DIVERSION									
Deseret Farms of California e	16.62R	1-14												102	188	128	47	465	
Deseret Farms of California e	17.0R	1-14												52	101	28	181		
Frank and Ruth Lang	17.4R	1-16												161	50	211			
Deseret Farms of California f	17.75R	1-16								NO DIVERSION									

TABLE 137

 DIVERSIONS - SACRAMENTO RIVER
 (Sacramento to Verona) (contd.)
 October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Deseret Farms of California f	18.0R	1-20									94	559	426	398	106	1583
H. C. Lauppe	18.2L	2-10										79	22	82	42	225
Burton H. Lauppe	18.45L	1-14									124	266	258	267	105	1020
Layton Knaggs	18.7R	1-24							NO DIVERSION							
E. L. Kerns	18.7L	1-12							NO DIVERSION							
SACRAMENTO TO VERONA																
Totals			3504	3004	2658	3250	1890	2200	2052	17550	27340	22850	19950	15110	120400	
Average cubic feet per second			57	50	43	37	34	36	34	285	459	372	324	254	166	
Monthly use in percent of seasonal			2.9	2.5	2.2	1.9	1.6	1.8	1.7	14.6	22.7	19.0	16.6	12.5		

a Formerly listed as Mary S. Jaydell Estate.
 b Formerly listed as A. R. Merkley.
 c Formerly listed as Carl Casselman.

d Does not include an undetermined amount of gravity diversion.
 e Formerly listed as Sacramento River Ranch.
 f Formerly listed as Jose Alves and Sons.

TABLE 138

 DIVERSIONS - SACRAMENTO RIVER
 (Verona to Knights Landing)
 October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT VERONA--	19.6L															
--CROSS CANAL RECLAMATION DISTRICT 1000 and 1001--	19.6L															
Arthur Drown	*(0.05S)	1-10									110	151	131	52	444	
Natomas Central Mutual Water Company	*(1.0S)	1-24 1-36									2700	2800	3040	3210	2030	13780
Natomas Central Mutual Water Company	*(2.0S)	1-20 2-24	368								7690	6210	6690	6880	5370	33210
B. J. Ukropina	*(3.3N)	2-24									1440	1500	1440	1400	237	6017
B. J. Ukropina	*(3.35N)	1-16									421	318	461	650	334	2184
Roy C. Osterll and Harland Van Dyke	*(3.45N)	1-14 2-36	125		29						2350	2500	2340	2370	1320	11030
--FEATHER RIVER--	20.9L															
--SACRAMENTO SLOUGH--	21.2L															
Deseret Farms of California a	21.5R	1-16									161	135	46	105	447	
Roy Michelotti	22.1R	1-10						NO DIVERSION								
C. Fred Holmes	22.2L	1-14											88		88	
Deseret Farms of California a	22.5R	1-24	87								110	5	3		205	
--GAGING STATION - SACRAMENTO RIVER AT PREMONT WEIR, EAST END--	22.58R															
Anthony Furlan	26.8L	1-16						NO DIVERSION								
A. F. Johnston	26.8L	1-16						NO DIVERSION								
--GAGING STATION - SACRAMENTO RIVER AT PREMONT WEIR, WEST END--	27.9R															
Lowell Edson	28.1R(0.8)	1-5										8	13	3	24	
Hershey Estate	28.1R(1.3)	1-18									14	316	327	190	0	547
Gus Inglin	28.1R(2.4)	1-12						NO DIVERSION								
Gus Inglin	28.2R	1-8									19	19	18	12	68	
Anthony Furlan	28.2L	1-12						NO DIVERSION								
Ralph White	28.6L	1-8									24	53	51	19	147	
Hershey Estate	29.0R	1-12 2-16						NO DIVERSION								
Russell Brothers	29.2R	1-12										172	67	18	257	
Sebastian Yurralde	29.9L	1-12									128	112	94	88	422	
Leo Giovanetti	30.2L	1-6									31	3	29	6	69	
O. and D. Traganza	30.3R	1-8										36	24	7	67	

TABLE 138

DIVERSIONS - SACRAMENTO RIVER
(Verona to Knights Landing) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Anthony Furlan	30.5L	1-14									48	70					118
M. R. Richardson	30.7R	1-10									51	45	100	30			212
Alice E. West	30.9L	1-6															
A. C. Huston, Jr. and Mrs. E. Huston	31.5R	1-12															
M. R. Richardson	31.75R	2-14															
M. Alenco	31.8L	1-6															
Sutter Mutual Water Company (Portuguese Bend)	32.0L	1-20 2-24															
Sutter Mutual Water Company b	32.4L	1-24 1-30 1-36									1770	2390	3020	2890	1100		11170
J. F. Waters and E. Furland	32.5L	1-12									11	36	18	39			104
Colliers Brothers	32.5R	1-10											59	30	13		102
W. H. Ziegler c	33.2L	2-10 1-12									316	285	328	329	115		1371
J. O. Knox	33.35L	1-10 1-12															
Clarence Du Bois	33.5R	1-12															
P.K., G.J., W.N. Leiser and L.J. Mansager	33.75L	1-12										109	98	147	31		385
Neil Wilson	33.85R	1-4 1-6	16									138	144	52	104		458
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.95										6	44	41	44	26		177
VERONA TO KNIGHTS LANDING																	
Total			596	0	29	0	0	0	0	0	16830	17320	19120	19130	11210		84230
Average cubic feet per second			10	0	0	0	0	0	0	0	274	291	311	311	188		116
Monthly use in percent of seasonal			0.7	0	0	0	0	0	0	0	20.0	20.6	22.7	22.7	13.3		

* Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.
a Formerly listed as Sacramento River Ranch.

b New installation in 1963.
c Previously listed as W. H. Ziegler.

TABLE 139

DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--OAGENO STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L																
--KNIGHTS LANDING BRIDGE--	34.1																
--COLUSA BASIN DRAIN--	34.15R																
E. E. Nuttall	34.15R(0.2)																
River Farms Company	34.5R	1-16 1-20 1-24									5480	4480	4500	4340	2080		21880
Wallace Ernst and A. Johnson	34.85L	1-8															
Walter Raymond	35.2L	1-12															
Johnson and Anderson	35.8L	1-8															
J. Goffitzer	35.85L	1-6										72	28	61			161
Frank Rossi	36.2L	1-12 1-14										16	16	10	6		48
J. A. Driver	36.45L	1-12															
A. Meroni	36.8L	1-6										370	393	442	510	250	1965
J. A. Driver	36.45L	1-12															
A. Meroni	36.8L	1-6										74	92	44			211
--RECLAMATION DISTRICT 787 DRAINAGE PLANT--	37.0R																
Albert Nuttall	37.2L	1-14															
Maybelle J. Bundock	37.75L	1-8													16		16

TABLE 139

DIVERSIONS - SACRAMENTO RIVER
(Rights Larding to Wilkins Slough) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK ABOVE SACRAMENTO	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Robert and Eugene Reel	58.4L	1-10										47			47	
C. L. Reel	58.8L	1-10										67	3		70	
C. L. Reel and Sons	59.4L	1-10									42	38	108		188	
C. L. Reel and Sons	59.8L	1-10							NO DIVERSION							
William Duffy, Jr.	59.9L	1-8									7	1	6		14	
Butter Mutual Water Company (State Ranch Bend)	40.6L	2-24 1-36	438							58	7340	6210	6430	6500	1950	28980
River Farms Company	41.0R	1-14 1-16									51	575	530	51	11	1218
Buell Ranch	41.0L	1-6							NO DIVERSION							
Mrs. N. Lorenzetti	42.2L	1-6							NO DIVERSION							
Mrs. N. Lorenzetti	42.3L	1-8									44	3	33	1	81	
El Dorado Ranch	42.3R	1-14 1-16	72								282	735	650	446	242	2427
El Dorado Ranch	43.1R	1-12							NO DIVERSION							
Reclamation District 2047	43.1R	3-50									6710	3470	2230	655	127	18190
Kramer Ranch	43.1L	1-12							NO DIVERSION							
Bill Erdman	43.4R	1-10										171	86		257	
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0R															
John Clauss	44.2L	1-18							NO DIVERSION							
John Clauss	45.6L	1-14										228	47	123	398	
--GAGING STATION - SACRAMENTO RIVER ABOVE R.D. 108 DRAIN PLANT--	46.4R															
John Clauss	46.45L	1-16								140	308	488	334		1270	
J. R. Henle	46.5L	1-14 1-20									71	33			104	
Perry Hiatt Properties, Incorporated	48.7L	2-22								632	1140	1200	1030	594	4596	
G. J. Hiatt	49.0L	1-14									53	60	45		158	
G. J. Hiatt	49.7L	1-14								189	259	242	237	63	990	
River Farms Company	50.8R	1-16									51	67	53		171	
Reclamation District 108 (Tyndall Mound)	51.1R	1-16 1-18 2-24 1-36								3700	6600	5300	3390	5190	24180	
William Crawford	51.2L	2-16									92	94	85	97	368	
Fritz Erdman	51.9R	1-12									24	47			71	
Thomas Nelson	52.0L	1-16									109	126	9		244	
George Van Ruiten	52.3L	1-10									45	20	75	22	162	
George Van Ruiten	52.9L	1-12									86	44	99	43	272	
Reclamation District 108 (Howell Point)	53.8R	1-14 1-20 1-36	97							52	983	664	586	312	2894	
George Van Ruiten	53.9L	1-14									45	140			255	
Bronmieside Farms	55.1L	1-26									287	331	200		818	
Bronmieside Farms	56.3L	1-16							NO DIVERSION							
Reclamation District 108 (Boyer Bend)	56.4R	1-12 1-18 2-22 1-36	145							615	430	2860	2360	994	9505	
John Miller	56.65R	1-12							NO DIVERSION							
Bronmieside Farm	56.95L	1-20		290	125						282	595	362		1665	
L. M. Miller	57.0R	1-10							NO DIVERSION							
William Crawford	57.25L	1-24 1-30	422							164	2040	1451	2440	740	558	14
Clifford Lam	57.5L	1-16							NO DIVERSION							
Wood Nelson	58.3L	1-14								21	181	170	122	103	597	
Arax Grant	58.9L	1-16							NO DIVERSION							
Reclamation District 108 (South Swinner Bend)	59.5R	1-10 1-16								67	156	20	157	77	547	
Lamb Brothers	59.8L	1-14										39	16		85	
W. A. Lirner	60.4L	1-14 1-16								48	678	745	718	317	2806	
L. A. Butler	60.5L	1-14									146	23	71		280	

TABLE 139

DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
Richard Moore	61.05R	1-12	16													16
Reclamation District 108 (North Steiner Bend)	61.2R	1-16									75		14			97
L. A. Butler	61.8L	1-12									58	53	19			130
Wayne Hine	62.3R	1-10	1							16	96	68	102	43		346
John Mack	62.3L	1-14								392	382	547	308	199		1628
Jake Leevich Estate	62.6R	1-4								7	15	37	13			72
KNIGHTS LANDING TO WILKINS SLOUGH																
TOTAL			1463	296	128	0	0	0	222	2845	3735	3184	2683	1340	14000	
Average cubic feet per second			24	5	2	0	0	0	4	463	628	518	436	225	193	
Monthly use in percent of seasonal			1.0	0.5	0.1	0	0	0	0.2	20.3	26.7	22.7	19.2	9.6		

a Includes 1117 acre-feet of water delivered to River Farms Company as follows: May 314, June 65, July 410, August 235, and September 94.
b New installation in 1963.

c Previously listed as Mile 61.5R.
d Previously listed as Mile 61.3R.
e Replaced a 10" unit.

TABLE 140

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
--GAGING STATION - SACRAMENTO RIVER BELOW WILKINS SLOUGH--	62.9R															
Reclamation District 108 (Wilkins Slough)	63.2R	5-4L 1-48							2060	2780	2400	2100	2320	744	10560	
R. L. Young	63.3L	1-12										61	45	32	138	
Capaul Brothers	63.65L	1-8						NO DIVERSION								
Sutter Mutual Water Company	63.75L	6-42 2-48	1250						3350	5580	4510	3990	3800	13600	197000	
Robert E. Seamans	63.9L	2-14								401	623	594	517	97	2232	
-TISDALE WEIR RECORDER STATION-	64.2L															
Lloyd, Beverly and Fred Durst	64.3R	1-14									11	53	11	23	98	
Frank Lamb	64.35L	1-14						NO DIVERSION								
Tisdale Irrigation and Drainage Company	64.4L	1-8 1-12									149	527	372		1048	
Van Horn Ranch	64.9R	1-14						NO DIVERSION								
Pred Schchr	65.6R	1-16						17		45	118	95	133	71	479	
Walter Ettl	65.7L	1-8									80	133	96		309	
J. L. Browning	66.4R	1-18						NO DIVERSION								
Tisdale Irrigation and Drainage Company	67.1L	1-16 1-22								1040	1650	1860	1540	763	7183	
Newhall Land and Farming Company	67.5L	1-12 2-24								1500	1300	1310	1160	434	5704	
--RECLAMATION DISTRICT 70 DRAINAGE PLANT--	68.8L															
Meridian Farms water Company #5	68.8L	1-24						NO DIVERSION								
J. L. Browning	69.0R	1-14 1-22						80		75	361	365	265	124	1270	
C. Yerxa and A. Andreotti	69.2R	1-10 2-16	123						93	606	800	749	668	404	3543	
--EDDY'S FERRY SITE (GRIMES)--	69.45															
J. E. Hollenbeck	69.8R	1-4						NO DIVERSION								
Turrie Kilgore	70.0R	1-12										67	53	32	152	
H. P. Daly	70.4L	1-10									62	45	4	40	151	
Beckley, Ritchie, Poundstone and Andreotti	70.4R	1-16 1-20							49	1270	1750	1650	1420	412	6551	

TABLE 140

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.		
Meridian Farms Water Company #4	71.1L	1-24									110	110	110	110	388	4858
A. B. Armstrong	71.9R	1-14										252	129	111	111	603
H. and A. Andreotti	72.1L	2-14										801	758	566	118	2243
C. T. Froh	73.0R	1-10									40	167	148	162	134	651
Meridian Farms Water Company #3	74.8L	1-18									645	690	881	615	46	2877
Richard Moore	75.3R	1-10									108	245	285	287	202	1127
J. H. Yates Estate	76.1L	1-10										30	1	40		71
Robert Chesney	76.15L	1-10							NO DIVERSION							
M. S. Davis and C. K. Anderson	76.2L	1-8										11	16	12		39
Steidlmayer Brothers	76.5R	1-16										178		114	112	404
Olive Percy Davis, et al	77.8R	1-12		142	146	28						256	155	177		1099
R. X. Ranch Company	77.9L	1-16										149	189	28		366
Olive Percy Davis, et al	78.15R	2-30		99						292	2430	3560	4230	3940	659	15200
Olive Percy Davis, et al	78.75R	2-12 1-16	10	211	219	42					48	675	578	957	431	3175
Olive Percy Davis, et al	78.8R	1-24								68	2000	570		392	484	3514
Steidlmayer Brothers	78.9R	1-12	97	31	32	6						102	51	74	59	452
C. E. Reische	79.0L	1-10										79	51	30		160
Gerrans Orchard	79.3R	1-10	20									51	72		21	164
J. J. Hankins	79.5L	1-8										86		14		100
A. M. Wood	79.7L	1-10												38		38
--GAGING STATION - SACRAMENTO RIVER AT MERIDIAN--	79.85															
Meridian Farms Water Company #1 and #2	80.0L	1-10 1-20 1-24								841	4360	3740	4420	4750	850	18960
Gerrans Orchard	80.3R	1-8	26									95	82		13	216
Tomlinson Brothers and E. J. Burrows	81.5L	1-16									469	727	718	693	301	2904
Tomlinson Brothers	81.8L	1-16		14							115	99		121		349
F. T. Reische and L. F. Wood	82.5L	1-12												14		14
Emerson Hixon	82.7L	1-16	6													6
Steidlmayer Brothers	83.0R	1-20										36	263	264	26	860
J. E. Clark	83.3L	1-14												6		15
J. E. Clark	83.5L	1-10							NO DIVERSION							
--BUTTE SLOUGH OUTFALL GATES--	84.0L								NO DIVERSION							
Steidlmayer Brothers	84.0R	1-8							NO DIVERSION							
Reclamation District 1004	85.3L	1-8								9	23	17			16	65
Steidlmayer Brothers	85.6R	1-12							NO DIVERSION							
A. C. and W. G. Reische	85.8L	1-10										32	31			53
Lydell Peck	86.1L	1-8	4									52	50		45	173
W. H. Halsey	86.1R	1-12	14									132	97	28	46	319
Howell Davis	86.2R	1-18							NO DIVERSION							
Sciortino Brothers	86.8L	1-8										27	41			64
Kathleen Wilbur	86.9R	1-10	12									81	94	49	64	304
Kathleen Wilbur	87.4R	1-10									9	20	4		25	100
W. H. Halsey	87.45L	1-6										15	17			30
Mrs. D. Lovvick	87.5L	1-3										6	17	2		34
Mrs. D. Lovvick	87.6L	1-8							NO DIVERSION							
Swinford Trust Irrigation Company	87.7R	1-12								15		54	144		21	282
Frank Azevedo	88.0R	1-6							NO DIVERSION							
Amy K. Lange	88.2R	1-2							NO DIVERSION							
Magee and Lovvick	88.2L	1-10										46	27			81
Mayfair Farms Incorporated	88.7L	1-14	3									57	50		32	180
Colusa Irrigation Company	89.2R	1-20										104	287	126	14	531

TABLE 140

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa) (Cont'd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Grace S. Arnold	89.24L	1-8	6								70	72			148	
Reclamation District 1004	89.25L	1-15	40							314	790	169	174		1867	
W. H. Halsey and M. Yerxa	89.26L	1-12							NO DIVERSION							
W. H. Halsey and M. Yerxa a	89.3L	1-8									54	96	17	57	242	
WILKINS SLOUGH TO COLUSA Total Average cubic feet per second Monthly use in percent of seasonal			1651 27 1.4	497 5 0.1	497 5 0.1	76 1 0			97 2 1.7	6771 114 1.7	10300 1630 25.3	31240 1535 3.1	34103 1368 21.2	8222 1353 21.0	27980 470 7.1	196400 548

a New installation in 1963.

TABLE 141

DIVERSIONS - SACRAMENTO RIVER
(Colusa to Butte City)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--COLUSA BRIDGE - GAGING STATION - SACRAMENTO RIVER AT COLUSA--	9.4														
D. Boggs	29.7L	1-16							NO DIVERSION						
Rberts Ditch Company	90.7R	1-18	37								550	534	579	232	1955
I. G. Zumwalt Company	91.0R	1-6							NO DIVERSION						
Paul R. Westfall	91.1L	1-3 1-8										8	7		15
I. G. Zumwalt Company	91.2R	1-6	7								78	79			219
I. G. Zumwalt Company	91.6R	1-12							NO DIVERSION						
Paul A. Morris and C. E. Strifler	92.0L	1-4							NO DIVERSION						
-COLUSA WEIR RECORDER STATION-	92.4L														
Andrew Martin	92.5L	1-8							NO DIVERSION						
W. H. Halsey	92.6R	1-8									8	5			13
W. H. Halsey	93.0R	1-8									19	21			40
Wilson Lovvorn	93.15R	1-24	31							605	1170	1240	1170	616	4832
Paul R. Westfall	93.2L	1-3							NO DIVERSION						
Paul R. Westfall	93.6L	1-3									15	13	6		43
Tuttle Land Company	94.3R	1-20	6							15	310	348	137	113	929
Roger Wilbur	95.25L	1-12 1-18	116						92	21	372	461		287	1349
Azro N. Lewis Estate	95.6L	1-16 1-20	13	11	239				14		44	432	474	331	186
J. G. Griffin	95.8L a	1-16 1-26	3								380	315	1070	110	4086
Robert Hunter and A. L. Scott, Jr.	95.85L	1-18							NO DIVERSION						
I. O. Zumwalt Company	96.8R	1-15	3								218	202		199	642
H. Heltman	97.7R	1-14	5									104	52	29	190
Rio Bonito Farms	97.75L	1-6											51		51
Rio Bonito Farms	97.0L	1-10										10	7		17
Roger Wilbur	98.3R	1-10	24						7		14	53	111	6	307
Otterson and Boggs	98.6L	1-15	7								34	105	320		726
Elizabeth Reimer	98.7R	1-4									30	19	12		81
D. Boggs	98.8L	1-15									276	29	18		327
Elizabeth Reimer	99.0R	1-14	1								55	123	32		414

TABLE 141

DIVERSIONS - SACRAMENTO RIVER
(Colusa to Butte City) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK ABOVE Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
J. D. Boggs	99.1L	1-16									35	20	19		80	
Hollis Sartain	99.25L	2-16		11	163	754	194						16		1178	
L. W. Seaver	99.3R	1-10 1-12	10								26	27	397	222	230	1058
Helen Ferry	99.8L	1-12 1-16	17		31	11			4		551	541	556	623	55	2389
Helen Ferry b	100.0L	1-6													17	17
Saint Patrick Home Ranch	101.1R	1-20	100								304	355	147			906
Jane Foster Carter	101.8L	1-14									26	29	110	69		236
Guy M. Morse	102.0R	1-4	17								13	28	45	24	31	158
Ralph D. Westfall and Mary Westfall Noonan	102.48L	1-2										13	11	2	6	32
Ralph D. Westfall and Mary Westfall Noonan	102.5L	1-16										88	55	79		222
Guy M. Morse	102.8R	2-12 1-20	10								1170	1020	1060	1160	373	4793
C. B. Carter	102.9L	1-16	4									221	147	141	36	549
--GAGING STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3															
--MOULTON WEIR RECORDER STATION--	103.6L															
Charles W. Welch	103.7R	1-16									1090	872	881	974	94	3911
Maxwell Irrigation District	103.8R	2-20 1-24	7								908	1810	2640	903		6268
C. W. Tuttle	103.9R	1-12 1-18									290	473	607	567	162	2099
I. G. Zumwalt Company	104.8L	1-12	3									59	60		60	182
I. G. Zumwalt Company	105.3L	1-12							NO DIVERSION							
Lawrence Boyd	105.5L	1-10											8		6	14
Thousand Acre Ranch (H. W. Keller)	106.0R	1-14	104									126	106	17	127	480
Olive Percy Davis, et al	106.5R	2-16	8								519	567	438	536	295	2363
Princeton Ranch Company	110.0R	1-12	43									133	104		11	291
H. Womble	110.1L	2-16							NO DIVERSION							
I. G. Zumwalt Company	110.7L	1-3										45		55	16	116
--PRINCETON FERRY--	112.0															
I. G. Zumwalt Company	112.05L	1-12										28	16		25	70
Reclamation District 1004	112.1L	2-30 1-50								81	9440	8700	10470	9930	2054	40670
Princeton-Codora-Glenn Irrigation District	112.4R	3-24								29	4300	3990	4310	3380	446	16460
I. G. Zumwalt Company	112.6L	1-10	16									108	79		82	285
Emerson B. Estes	114.9R	1-5							NO DIVERSION							
Emerson B. Estes c	115.0R	1-14										14	3	18		35
Mark Munson	115.3R	1-4							NO DIVERSION							
Opal L. Cushman	115.5L	1-12	9								20	60	74	23	33	219
<u>COLUSA TO BUTTE CITY</u>																
Total			637	205	1004	194	0	117	131	19500	24490	27530	22700	6554	103100	
Average cubic feet per second			10	3	16	3	0	2	2	32	41	45	37	11	142	
Monthly use in percent of seasonal			0.6	0.2	1.0	0.2	0	0.1	0.1	18.9	23.6	26.3	22.0	6.4		

a The 16" unit formerly listed at Mile 95.75L will, in this and all subsequent reports, be listed at Mile 95.8L.
b Listed as a temporary installation in 1962. Now permanent.
c New installation in 1963.

TABLE 142
 DIVERSIONS - SACRAMENTO RIVER
 (Butte City to Red Bluff)
 October 1962 through September 1963

WATER USER	MILE AND BANK ABOVE SACRAMENTO	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--BUTTE CITY BRIDGE--	115.8																
--GAGING STATION-SACRAMENTO RIVER AT BUTTE CITY--	115.8L																
Mark Munson	115.8R	1-4									3	2	1				6
F. A. Brown	115.85L	1-14								3	41	42	13				99
Victor Trubowitch	115.9R	1-6															
Manuel Torres	116.37L	1-12															
Cronin Estate	116.9L	1-16															
Victor Trubowitch	117.1R	1-10	1								5	29				18	53
W. P. Wright, Jr.	117.5R	1-6									14	38					52
Walnut River Farms	120.3R	1-10															
Robert T. Millar	122.3R	1-10															
Ben Giesbrecht	122.9R	1-10									38		20				58
Clarence Reed	123.7R	1-6															
P. K. Friesen	123.8R	1-4										1					1
Princeton-Codora-Glenn Irrigation District	123.9R	5-24	787								511	9110	8790	9020	8920	5750	42890
Provident Irrigation District	124.2R	2-24 1-36 2-46	1450	4910	3270						107	3510	2980	2670	2460	373	21730
J. Bertapelle	124.3R	1-12	57								205	294	322	288	162		1328
Abe Giesbrecht	125.5R	1-10															
Duard F. Geis	128.3R	1-6									45	26	33	44	41		189
F. S. Reager, Jr.	130.75R	1-8									17	70	75	53	24		239
--GAGING STATION-SACRAMENTO RIVER AT ORD FERRY--	130.8R																
C. P. Koehnen and Sons	131.0R	1-10	8								24	26	32	28	31		149
Harry E. Nichols, Jr.	133.45L	1-6										89	139	92	3		323
Harry E. Nichols, Jr.	133.5L	1-5 1-6										22	18	21	13		74
--STONY CREEK--	138.0R																
--BIG CHICO CREEK--	141.5L																
M & T Incorporated and Farrott Investment Company	141.5L	1-20 4-24	169	37		12					330	1310	3120	4960	1940	a	11880
Fred Wagner	141.5L	1-4															
--OLD CHICO LANDING RAILROAD BRIDGE SITE--	142.1																
Paul E. Arneberg	142.8R	1-14	25										34				59
Jane Foster Carter	143.6R	1-10										61	86	119	60		326
Levi Bentz	143.8L	1-6															
Glenn Beagle	146.3L	1-12										7	29	3	8		47
Jane Foster Carter	146.8R	1-10										30	65	90	53		238
Holly Sugar Corporation	148.9R	1-2 1-10															
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (GIANELLA BRIDGE)--	149.5L																
James Rolph III	149.5L	1-12									5	152	305	301	298		1061
J. A. and A. E. Lewis	149.7L	1-12	22									44	60	42			168
James A. Lewis	150.0L	1-10										100	165	113	67		445
V. G. Strain	150.8R	1-12 1-16	80								419	771	686	1018	537		3511
Joe E. Johnson	152.2R	1-6															
Robert Edwards	152.4R	1-6															
Newhall Land & Farming Company	153.6L	1-10 1-16									80	517	502	493	32		1624
Bowers Ranch	c 154.0L	1-8															
Mrs. Guy H. Boone	154.5R	1-10										50	53	39	28		170
Jessie and McLain	154.6R	1-5										5	4	8			17
S. G. Spang	154.7R	1-4										4	4				8

TABLE 14c

DIVERSIONS - SACRAMENTO RIVER
(Butte City to Red Bluff) (Contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Glenn-Colusa Irrigation District	154.8R	1-36 4-44 1-48 1-54 4-66 3-72 1-100	8340						3230	189	12	136000	142000	141000	75500	1635000
Adrian Otten	155.6R	1-4									7	1	9	11	3	40
R. Phieffer	155.7R	1-2½							NO DIVERSION							
F. Williams	156.0R	1-6								9	27	31	19	17	1	104
H. H. Penner	156.1R	1-6	6							1	28	49	55	54	34	227
O. L. Shearman	156.85R	1-3									1	4	3	2	3	13
Tareah Ranch	158.8R	1-10	101									197	222	136	107	763
Jonathan Garst	161.0L	1-4							NO DIVERSION							
Jonathan Garst	161.45L	2-8 1-14	3									99	95	50		247
Clinton Gano	161.5L	1-4										11	27	14		54
Jonathan Garst	161.7L	1-2							NO DIVERSION							
F. W. Case	165.4L	1-14	1													1
--GAGING STATION - SACRAMENTO RIVER AT TINA BRIDGE--																
E. L. Dietz	166.7R	1-3							NO DIVERSION							
Russell L. Deckman	166.8R	1-2				1							2	1	1	6
Ernest Peterson	166.9R	1-6							NO DIVERSION							
A. J. McFadden	168.5L	1-8												71	35	106
Paul E. Arneberg e	168.85R	1-10							NO DIVERSION							
C. F. O'Connor	168.9R	1-6							PLANT REMOVED							
Rumiano Brothers	169.8L	1-10	1								14	57	65	30	47	210
John Boitano f	173.05L	1-8	18									35	91	25		169
Wood Orchard Inc. g	173.6L	1-8	6								10	15	15		14	60
Dutro Brothers	175.5R	1-3							NO DIVERSION							
Dutro Brothers	176.6R	1-4									5	6	5			24
L. L. Brunemer	177.2L	1-6							PLANT REMOVED							
Los Molinos Mutual Water Company	187.6L	1-12							PLANT REMOVED							
John Taylor h	188.5(0.5)	1-1½							NO DIVERSION							
Frank B. Nichols i	188.1L	1-3											14	26	16	56
Henry Kerber	188.8L	1-10										325	378	288		991
R. C. Osborn	189.1R	1-2											15	13	11	39
Diamond National Corporation	191.5R	1-8	170	139	143	143	129	143	139	143	139	143	143	143	139	1713
Arthur Stanley	196.5L	1-2½							NO DIVERSION							
W. R. Harris	196.55L	1-1½										1	1	1		3
S. and E. Erickson	196.6L	1-5										18	27	4	4	53
Diamond National Corporation	197.0L	1-8										15	186	114	88	403
Carl Fahel	197.1L	1-3										2	3			5
Charles Gillingland n	197.5L	1-1¼											1			1
Al Gaumer	198.0L	1-3							NO DIVERSION							
Al Gaumer	198.3L	1-3									10	72	21	23	16	92
BUTTE CITY TO RED BLUFF																
Total			11240	5086	3413	1564	129	373	2647	14100	152500	160900	161200	8546		727100
Average cubic feet per second			187	85	56	24	2	55	44	2293	2563	2617	2622	1436		1004
Monthly use in percent of seasonal			1.5	0.7	0.5	0.0	0.0	0.4	0.4	19.4	21.0	22.1	22.2	11.8		

a An additional 23920 acre-feet were received from Butte Creek as follows: October 1482, November 865, December 622, January 771, February 70, April 212, May 4102, June 5163, July 4259, August 3479, and September 2945.
 b New installation in 1963.
 c Previously listed as Mile 153.5L.
 d An additional 61200 acre-feet diverted by gravity from Stony Creek as follows: March 6962, April 25050, May 27710, June 793, July 480, August 148 and September 62.

e Formerly listed as C. F. O'Connor.
 f Formerly listed as Moritz Thomsen.
 g Formerly listed as Dr. O. T. Wood.
 h Plant is located on a slough which joins the Sacramento River at this mile.
 i Formerly listed as Oroville L. Johnson.
 j Replaces plant formerly listed as 1-1.51L.
 k Previously listed as a 2½" unit.
 m Replaces 6" unit.
 n Formerly listed as O. Gillingland.

TABLE 143
 DIVERSIONS - SACRAMENTO RIVER
 (Red Bluff to Redding)
 October 1962 through September 1963

WATER USER	MILE AND BANK above parent	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT. - SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
-GAGING STATION - SACRAMENTO RIVER NEAR RED BLUFF--	198.6																
C. T. Loftus	205.1L	1-4	5							5	23	26	28	26			113
D. Mills	207.3L	1-8	4							22	134	178	98	40			476
D. Mills	207.5L	1-12	15							90	262	285	283	54			987
La Mirada Olive Company	209.0L	1-4							NO DIVERSION								
J. P. Nunes	213.0R	a 1-3											1	27			28
R. B. Richmond	213.5L	1-3	2								18	5					25
R. B. Richmond	215.7L	1-6	27							1	138	108	151	135			560
J. P. Nunes	216.0R	1-5									39	44	36	33			155
W. A. Hunaeus	216.4L	1-3	1														1
R. B. Richmond	216.5L	1-6	18								15	95	84	99	78		389
Haakonson Brothers	217.5L	1-5	8						PLANT REMOVED								8
J. L. Haskins	217.9L	1-6	11								36	143	27	59			276
Rio Alto Rancho	221.0R	1-12	60	38						44	88	240	277	246	199		1192
Kimberly Clark Corporation b	228.0R	1-16	25								82	42	28	33			210
Floyd Leonard	233.5L	1-6							NO DIVERSION								
U. S. Plywood Corporation	234.0R	1-8	126	179	13	204	143	54		11	85	179	162	150			1506
William Menzel Company, Incorporated	240.2L	1-12							NO DIVERSION								
Lou Gerard	240.3L	1-2							NO DIVERSION								
John Gladwell	240.4L	1-4							NO DIVERSION								
Anderson-Cottonwood Irrigation District	240.5L	4-16	167							1290	3930	4140	4720	2500			16750
Riverview Golf Course	240.8L	1-4	3			1	2	2	1	18	26	38	44	30			167
J. H. Hein Company	241.9L	1-4 1-6							NONAGRICULTURAL USE								
Anderson-Cottonwood Irrigation District	246.0R	Gravity	8520							15700	22300	23500	22800	21100			113900
City of Redding	246.25L	2-6	2			1		2		4	13	19	14	10			67
Maybell Diestelhorst	246.3R	1-8								8	58	45	49	47			207
City of Redding	246.7R	3-8	215	211	201	192	163	190	177	319	553	676	685	472			4055
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5																
<u>RED BLUFF TO REDDING</u>																	
Total			9211	432	414	398	308	292	178	17570	28030	29790	29470	24990			141100
Average cubic feet per second			150	7	7	6	6	5	3	286	471	484	479	420			195
Monthly use in percent of seasonal			6.5	0.3	0.3	0.3	0.2	0.2	0.1	12.5	19.9	21.1	20.9	17.7			
<u>SACRAMENTO RIVER - SACRAMENTO TO REDDING</u>																	
Total			26000	9520	5040	3074	2327	6079	12000	341200	378400	376100	362500	184700			1712000
Average cubic feet per second			460	160	170	53	42	94	203	5549	6360	6116	5395	3104			2365
Monthly use in percent of seasonal			1.6	0.8	1.1	0.2	0.1	0.3	0.7	19.9	22.1	22.1	21.2	10.8			

a Replaces 7" unit.
 b Formerly listed as C. D. Draucker.
 c Includes 3430 acre-feet of spill as follows: October 1962 and May 1963.

TABLE 144

DIVERSIONS - COLUSA BASIN DRAIN*
October 1962 through September 1963

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--GAGING STATION - COLUSA BASIN DRAIN AT KNIGHTS LANDING (KNIGHTS LANDING OUTFALL GATES)--	0.25																
River Farms Company	0.3L	1-20									551	902	1266	1036	338		4093
John J. Anderson a	1.45R	1-16 1-20															
John C. Cooling a	4.2R (0.1)	1-16															
J. E. Taylor a	4.2R (0.7)	1-12															
B. C. and T. D. Tolson a	4.2R (0.8)	1-12															
Layton Knaggs	4.65R(0.3)	2-24		19						1	181	2300	2210	1620	1490		7821
Layton Knaggs	7.2R	3-16 1-20	164	47	27					3	219	1910	1950	1820	968		7108
George E. Youngmark	8.8R	1-14 1-16		6	6					11	321	217	450	456	194		1661
Hershey Estate	11.15R	1-16 1-18									323	567	524	502	258		2174
Hershey Estate	13.75R	1-16									51	472	272	187	119		1101
C. M. Mumma	14.75R	1-16									127	118	146	138	76		605
--COUNTY LINE BRIDGE--	15.25																
J. V. Doherty a	15.5R	1-12															
M. T. Emmert a	15.75R	1-16															
H. B. West, Jack Hughes and Dr. R. C. West	18.1R	1-15 1-20															
James Irlart	18.5R(0.8)	1-14									3	103	139	144	123	68	580
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--	19.9L																
Reclamation District 108	19.9L	1-16 1-24 1-30									4790	2630	3520	3110	700		14750
James Irlart	20.0R	1-14									13	432	618	673	600	264	2600
B. W. Whitmore and D. S. Adams	21.35R	2-16			112						16	486	552	784	570	144	2664
Albert Brandenburg a	22.15R	1-14															
--GAGING STATION - COLUSA BASIN DRAIN NEAR COLLEGE CITY--	22.5																
Aileen Browning Armstrong a	22.75R(0.1)	1-16															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6																
Balsdon Ranch a	24.6R(0.3)	1-16															
Balsdon Ranch	24.6L(0.3)	1-14 2-16	78	202	24	6				5	45	558	681	1050	277		2927
Henry J. Olin a	24.6L(0.31)	1-12															
Luta King a	25.1R	1-6															
Gertrude M. Sherer a	25.3L	1-16															
Gertrude M. Sherer a	25.5R	1-10															
--ORIMES - COLLEGE CITY CAUSEWAY--	25.5																
Fred Schutz	25.9L	1-16 1-20 1-24			214	41					76	259	471	529	417		2005
Roy E. Kitta a	26.4R (0.1)	1-18															
C. W. and M. F. Struckmeyer	27.25L(0.3)	2-16	114								144	55	439	495	410		1657
William P. Wallace Ranch	28.0R	1-12 1-16															
--WALLACE CROSSING (OLD MERIDIAN-WILLIAMS BRIDGE)--	29.2																
Olive Percy Davis, et al a	29.79L Gravity																
Olive Percy Davis, et al	29.8R (0.4)	1-16									484	498	536	514	180		2213
Fred Wilkins a	29.8R (1.0)	1-14															
Glenn-Colusa Irrigation District	29.8R (1.4)	1-20 2-38									1260	1210	2950	2810	440		8670
Olive Percy Davis, et al	32.1R	1-16															
Federal Fish and Wildlife Service	32.6R	1-16	104	174	190	30											498
J. O. Olvey a	32.6L	1-14															

TABLE 144
 DIVERSIONS - COLUSA BASIN DRAIN* (contd.)
 October 1962 through September 1963

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Arata Brothers a	32.9L	1-8															
Richard Moore	33.5L	1-12 1-16									751	809	815	804	394	3572	
Federal Fish and Wildlife Service	36.65R	1-15 1-20	259	269	224	53					583	998	1020	962	1070	5438	
--GAOINO STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0																
Federal Fish and Wildlife Service a	37.0L(0.1)	1-15															
I. G. Zumwalt Company	39.2L	8-20	506	176							3150	3120	4200	4280	1470	16900	
East Williams Land Company a	39.2R	1-16															
J. H. Cave a	39.98R	1-10															
Leon Paulo and Seaver Farms b	40.0L	3-16	110	7	7	1		4			515	278	247	178	87	1434	
J. H. Cave a	40.5R	1-10															
Seaver Farms and F. J. Byington c	41.5L	4-16								3	1150	1070	1130	1220	476	5049	
Coffman and Campbell a	42.6L	1-16															
Louis O. Sutton a	42.7R	1-16															
Watt Brothers	43.2L	1-12 1-16									483	342	464	433	249	1971	
Watt Brothers a	43.4R	1-12															
H. and A. Andreotti d	44.3L	e 1-16									897	915	960	842	287	3901	
S. Ash	45.0L	2-16									1070	1280	1160	1210	252	4972	
Charles W. Welch a	45.0R	1-12 1-15 1-16															
El Dorado Sportman Club a	46.5R	1-16															
I. G. Zumwalt Company	46.75L	1-24									559	480	579	486	83	2187	
Leonard R. Beuchamp a	47.5L	1-6															
Leonard R. Beuchamp	47.5L (0.4)	2-16									883	823	839	802	286	3633	
Charles W. Welch a	48.7R (0.1)	Gravity															
Charles W. Welch a	48.7L (0.2)	1-12															
Charles W. Welch a	48.7L (0.3)	1-12															
Maxwell Irrigation District	48.7R (0.8)	1-14 1-16 2-20	80	5							2580	1770				4435	
Del Valley Farms, Incorporated a	49.1R	1-10															
Lynn and Bohne	49.58L(0.9)	1-10 1-12									294	521	711	675	391	2592	
J. W. Guerin and W. J. Thompson a	49.59R	1-12															
Helphenstine Rice Lands	49.69L	f 1-12 1-18		90	93	16					731	979	913	803	491	4118	
E. Butler, E. Meyer and J. Jones	49.7L	1-16		106	109	21						14	209	187	86	732	
Dan Fonseca a	50.2R	1-10															
Longwell Acres a	50.5L (0.3)	1-10															
Manuel Barrett a	Opp. 53.6R (1.3)	1-14															
Princeton-Codora-Glenn Irrigation District	54.2L	2-18									87	2260	2230	2320	2340	599	9836
John S. Lopes a	54.9R	1-12															
J. P. Cardoza a	55.0R	1-4															
--LATERAL HIGHWAY - BUTTE CITY TO WEST SIDE--	57.5																
Provident Irrigation District (Willow Creek Plant)	Opp. 57.5R (2.4)	1-24 1-36									220	325	719			1264	
Jamleson Ranches, Incorporated	58.4R	1-12 1-16									344	576	628	532	224	2304	
Joe Navarro a	59.0R	1-18															
Provident Irrigation District g	Opp. 59.9R (0.4)	1-16 1-18									33	1700	1790	1420	1110	216	6269
Provident Irrigation District (Drain #55)	Opp. 61.2R (1.5)	Gravity	202	498	598						5590	5090	5060	5840	5460	h 30160	
Dorothy Foote a	62.4L	1-16 1-14															

TABLE 144

DIVERSIONS - COLUSA BASIN DRAIN* (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET													TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
Provident Irrigation District	Opp. 62.2(2.5)	2-16		8							76	39	326	362	385	267	1517
Terrill Knight	63.2L	1-12 1-16		9	10		2				8	23	294	393	29	124	1374
John M. Demmer a	63.7L	1-12															
Mary R. Bohach	64.1L	1-12 1-14									8	244	313	324	286	132	1307
Provident Irrigation District (Colusa Basin Drain)	64.2R(0.1)	1-20 1-24	642								86	2610	4120	4000	4070	2090	17620
Provident Irrigation District (Drain #13)	Opp. 64.2R(2.6)	1-16 1-20 1-24									167	1590	1670	1600	1520	693	7240
Provident Irrigation District (Drain #13)	Opp. 64.2R(2.6)	Gravity	695	217	113							105	64	143	30	785	3397
Ray Funke a	64.21R(2.6)	1-1															
COLUSA BASIN DRAIN																	
Total			4776	1834	1725	172	0	4	520	39500	43200	47230	45120	22560		206600	
Average cubic feet per second			76	31	28	3	0	0	9	642	726	768	734	378		285	
Monthly use in percent of seasonal			2.3	0.9	0.8	0.1	0	0	0.3	19.1	20.9	22.9	21.8	10.9			

* Carries return water from Colusa Basin along west border of Reclamation District 108 and 787, and then discharges to Sacramento River at Mile 34.15R or partial diversion via Knights Landing Ridge Cut.

** Mileage along Colusa Basin Drain from junction with Sacramento River.

a This diversion dropped as of October 1962, due to a cutback in the diversion program.

b Formerly listed as Leon Paulc and L. W. Seaver.

c Formerly listed as Lloyd W. Seaver and F. J. Byington.

d Formerly listed as S. Ash.

e Replaces a 14" unit.

f The 12" unit was a temporary installation during 1963.

g New installation in 1963.

h Includes 5184 acre-feet of spill to Willow Creek as follows: May 1390, June 277, July 198, August 899 and September 2420.

TABLE 145

DIVERSIONS - KNIGHTS LANDING RIDGE CUT
October 1962 through September 1963

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET													TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.			
--STATE HIGHWAY 24 BRIDGE--	0.3																
--SOUTHERN PACIFIC RAILROAD BRIDGE	0.7																
E. L. Wallace	0.8R	1-16 1-20	45									151	204	299			699
M. R. Richardson	0.82L	1-14	15									314	368	433	410	189	1729
--RECLAMATION DISTRICT 730 DRAINAGE PLANT #2--	3.2R																
Ralph W. Pollock a	3.5L	Gravity															
W. K. Lowe a	4.3R	1-16															
Ralph W. Pollock a	4.55L	1-16															
Albert Bacchini a	4.7R	1-6															
Hershey Estate	4.75L	1-24	9									229	202	106			548
Hershey Estate a	5.25R	1-16															
--WEST LEVEE YOLO BYPASS--	6.3																
Hershey Estate a	6.3R	Gravity															
Hershey Estate	6.3	Gravity	160														160
Sacramento River Ranch	6.3L	Gravity	80									105	629	794	919	564	3096
KNIGHTS LANDING RIDGE CUT																	
Total			309	5	0	0	0	0	0	419	137	1633	1736	758		6232	
Average cubic feet per second			5	0	0	0	0	0	7	25	26	28	13		9		
Monthly use in percent of seasonal			5.0	0	0	0	0	0	0	6.7	22.1	26.2	27.8	12.2			

* Mileage downstream from head in Colusa Basin Drain near Knights Landing. Flow is principally Colusa Basin Drainage diverted to the Ridge Cut by checking at Knights Landing Outfall Gates.

a This diversion dropped as of October 1962, due to a cutback in the diversion program.

TABLE 147

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH (c.mtd.)
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--PIGGS - APTON ROAD BRIDGE--	19.4	*														
J. Ken Sexton and Son	Opp. 19.6R(0.8)	1-14								NO DIVERSION						
Homar and Homar A. Charles	Opp. 20.7R(0.8)	2-16									605	455	573	533	252	2418
McGowan Brothers	Opp. 20.9R(0.5)	d 1-16 1-14									336	212	336	312	45	1241
McGowan Brothers	21.0R	1-20								NO DIVERSION						
E. M'Pherrin	21.1L	1-16 1-20									1220	2080	2220	2240	1320	9080
Golden L. Hulien	Opp. 21.4R(1.0)	1-16									142	245	243	304	195	1129
McGowan Brothers	Opp. 22.4R(0.7)	1-16								NO DIVERSION						
McGowan Brothers	Opp. 22.4R(1.1)	e 1-16		47	26	7										80
--RICHVALE - BUTTE CITY ROAD BRIDGE--	22.5															
McGowan Brothers	23.0R	1-16 1-20									851	1120	1370	1610	356	5307
Harris Lands	23.0L	1-16									46	97	166	153	74	536
McGowan Brothers	Opp. 23.0R(0.75)	e 1-16									249	298	362	475	57	1441
McGowan Brothers	Opp. 23.5R(1.2)	1-16								NO DIVERSION						
McGowan Brothers	Opp. 24.0R(0.5)	a 2-16 1-20									1131	974	1380	1370	464	5319
McGowan Brothers	24.5R(1.4)	1-16								NO DIVERSION						
Ruth Baldwin and Charles K. Layton	Opp. 25.6L(0.6)	f 1-10 1-12		26							89	387	420	336	117	1375
Arrowhead Ranch	28.0R	1-12 1-16								NO DIVERSION						
Arrowhead Ranch	29.2L	1-12								NO DIVERSION						
--WESTERN CANAL OAM--	30.3	**														
--SACRAMENTO RIVER JUNCTION--	0.0															
Butte Slough Irrigation Company	0.0	Gravity														8
M. Marty	0.3W	1-10	79								19	118	218	147	158	739
--BUTTE CREEK--	0.6E															
Mrs. Mamie M. Smith	0.9E	1-7								NO DIVERSION						
Joe Marty	1.0W	1-12										17	33	37	38	127
Mrs. Mamie M. Smith	1.4E	1-8								NO DIVERSION						
Fred Tarke	1.9W	1-14									7	73	13	74	44	211
--MAWSON BRIDGE--	2.1															
C. W. Rawley	2.5W	1-14									13	124	60	149	97	443
J. E. Smith	3.0W	1-10								NO DIVERSION						
Pearl Clark and Alice Brewer	3.5W	1-10										2	1	7	1	11
P. A. Reische	3.7W	1-10										13		5		18
Grannlman and Pleth	4.08W	1-6										4		2		6
P. W. Reische	4.1W	1-10										94	8	15		117
W. J. Hankins	4.6W	1-12									7	67	25	38		137
P. B. Hensen	5.1W	1-12									6	63	87	105	10	271
Edward E. Nall	6.3W	1-12										1		1		2
LOWER BUTTE CREEK AND BUTTE SLOUGH																
Totals			1529	8041	10550	1416	0	0	0	6990	1110	12990	13790	5254		71690
Average cubic feet per second			25	135	172	23	0	0	0	114	187	211	224	88		99
Monthly use in per cent of seasonal			2.1	11.2	14.7	2.0	0	0	0	9.8	15.6	18.1	19.2	7.3		

* Mileage on Butte Creek from Junction with Butte Slough at Mile 0.6E.
 ** Mileage on Butte Slough from Junction with Sacramento River at Mile 84.0L.
 a One 16" unit was a temporary installation in 1963.
 b Diversion is estimated.
 c No record. Owner refused permission to enter property.
 d The 14" unit was a temporary installation in 1963.
 e One 16" unit was removed in 1963.
 f The 10" unit was installed in 1963.

g Flow in Butte Slough derived from Butte Creek, is controlled by outfall gates at junction with Sacramento River and is thereby retained in Butte Slough to discharge into East and West Borrow Pits of Sutter Bypass near "Long Bridge". The outfall gates are maintained by the Department of Water Resources and are operated cooperatively with the Butte Slough Irrigation Company. See Sutter Bypass Diversions.

TABLE 148

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH
October 1962 through September 1967

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.		
			WEST BORROW PIT OF SUTTER BYPASS (a)														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	2.5																
C. Fred Holmes	b 8.0R	1-18															
--STATE HIGHWAY 24 CAUSEWAY--	12.7																
Sutter Mutual Water Company	17.5R	1-18									925	911	840	327			2599
--SOUTH LEVEE OF TISDALE BYPASS--	18.9R																
--RECLAMATION DISTRICT 1660 GRAVITY DRAIN--	19.3R																
O. Guisti and Sons	23.7R	1-16 1-24									1400	1560	2010	1850	530		7359
Central Gun Club	24.5L	1-12															
Butte Slough Irrigation Company Limited	24.6R	1-18									554	751	420	921	597		3243
Butte Slough Irrigation Company Limited	25.0R	Gravity									36	254	305	164	19		778
Butte Slough Irrigation Company Limited	28.4R	Gravity									1200	1400	1900	1770	203		6473
Fred Tarke	28.6R	1-4 d 1-10										26	157	114			297
G. A. Frye	29.0R	1-8										1	8	6			15
--STATE HIGHWAY 20 BRIDGE--	29.1																
Fred Tarke	29.2R	1-10										20	32	35	15		102
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.25																
			EAST BORROW PIT OF SUTTER BYPASS (s)														
R. E. Hughes	b 0.95S	1-16											95	83			178
T. H. Richards	0.5S	1-18															
--WILLOW SLOUGH--	0.0																
R. E. Hughes #7	b 0.5N	1-16	14	188	304							36	219	175			936
--RECLAMATION BOARD DRAINAGE PLANT #1--	1.4N																
Cliff P. Childers	* (0.3)	1-16									379	457	482	471	196		1985
Cliff P. Childers	* (1.29)	1-16									411	450	430	405	158		1854
E. H. Christensen and Sons	* (1.32)	e 1-16									327	162	255	328	250		1322
E. H. Christensen and Sons	* (1.45)	1-14	66								35	30					131
E. H. Christensen and Sons	* (1.75)	1-16									458	540	601	463	184		2246
E. H. Christensen	* (2.8)	f 1-12									410	500	344	323	142		1719
E. H. Christensen	* (3.3)																
E. H. Christensen	* (3.5)	1-18							26	40	436	490	548	566	134		2240
Oji Brothers	* (3.6)	1-10									32	43	72	106	34		287
E. H. Christensen	* (3.6)	1-12							9		370	398	444	394	139		1754
E. H. Christensen	* (3.9)	1-12									337	345	385	340	114		1521
E. H. Christensen	* (4.0)	1-18															
E. H. Christensen	* (4.1)	1-16	108								61	25	89	135	82		500
E. H. Christensen	* (4.29)	1-16										151	173	33	221		578
E. H. Christensen	* (4.3)	1-10									18	36	38	31			123
Ral Brothers	* (4.3)	1-12									54	117	145	221	57		594
E. H. Christensen	* (4.33)	1-16										126	46	187	66		425
E. H. Christensen	* (4.35)	1-14									356	482	781	774	421		2816
R. E. Hughes #6	b 1.5N	1-16	31	105	196							26	157	123			738
R. E. Hughes #5	b 2.9N	1-14									33	33	34	50	29		179
Neal Westrope	b 4.0N	1-14 1-16											289	257			546
--STATE HIGHWAY 24 CAUSEWAY--	4.3N																
Neal Westrope	b 4.5N	2-14										14	106	80			200
Ira Malligan	5.7N	1-16												88	469		557
R. J. Hughes #2	b 5.5N	1-14									9	105	222	213			549
J. Etcheverry	5.91N	1-14									340	586	738	714	299		2677
O. O. Orrick	b 6.9N	1-10 2-16									47	91	306	175	17		636

TABLE 148

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
Ira Mulligan	7.1N	1-16								590	739	822	705	169	5009
--GILSIZER SLOUGH--	8.0N														
O. O. Orri k	b 8.0N(0.45)	1-16									10	63	62		135
Crepps and Middleton	b 9.99N	1-15	280	2						17	141	187	133	46	806
Crepps and Middleton	b10.0N	1-16	145	457	732						61	68	86		1045
--RECLAMATION BOARD DRAINAGE PLANT #2--	10.0N														
Crepps and Middleton	" x (0.3)	1-12									4	34			38
Detting Brothers	" x (0.9)	1-20								845	1850	1310	1740	909	7154
Detting Brothers	" x (1.8)	1-16		506						107	25				638
Federal Fish and Wildlife Service	" x (1.99)	1-16	493	446	480									75	1494
Sutter Extension Water District	" x (2.0)	1-20 1-30	446	76						1800	2860	3490	3100	1950	13720
Ira Mulligan	" x (2.3)	1-10									37	22	32		91
Ira Mulligan	" x (2.5)	1-16								467	549	507	509	30	2062
Bridge Investment Company	" x (2.6)	1-16 1-20									97	415	363	462	1600
Bridge Investment Company	" x (2.65)	1-14 1-20								1160	1450	982	1170	645	5407
Bridge Investment Company	" x (3.0)	1-12								269	185	91	193		738
Percy Davis	" x (4.5)	1-12	44							57	117	118	126	78	540
Sutter Extension Water District	" x (6.7)	1-20								646	722	1050	892	191	3501
Crepps and Middleton	c 10.1N(0.5)	1-14 1-18										312	311		623
Federal Fish and Wildlife Service	b11.5N	1-12	83	81	96						99	294	374	360	1387
Federal Fish and Wildlife Service	b16.3N Gravity	1-24	551							426	975	1330	1380	1330	5992
R. A. Schnabel	b16.4N	1-8									27	61	47	3	138
--WADSWORTH CANAL--	16.5N														
R. A. Schnabel	" v (1.0L)	1-16								NO DIVERSION					
Fred S. Betty	" v (1.0R)	1-10								NO DIVERSION					
--GAGING STATION - WADSWORTH CANAL NEAR SUTTER (LOWER STATION)--	" v (1.05)														
H. D. Brown and A. H. Muns	" v (1.35R)	1-16 1-20								170	581	527	497	270	2545
Vesper Kellbegg	" v (1.5L)	1-14	21							7	59	130	84	105	402
Albert Thomasen	" v (1.7R)	1-16								NO DIVERSION					
--STATE HIGHWAY 20 BRIDGE--	" v (2.0)														
--GAGING STATION - WADSWORTH CANAL NEAR SUTTER (UPPER STATION)--	" v (2.45)														
Epperson, Kennedy, and Joaquin	" v (2.5R)	1-10								113	224	232	30	116	905
Clara Farrington	" v (2.51R)	1-10								NO DIVERSION					
Youill Joaquin	" v (3.0L)	1-14								112	184	243	212	48	798
Gerald F. Raub	" v (3.6R)	1-16									33	40	34	31	144
--GAGING STATION - WADSWORTH CANAL AT BUTTE HOUSE ROAD--	" v (3.6)														
--RECLAMATION BOARD DRAINAGE PLANT #3--	16.7N														
Fred S. Betty	" o (0.9)	1-8									31	64	76	47	223
Fred S. Betty	" o (1.0)	1-10									36	44	36	21	136
Fred S. Betty	" o (1.3)	1-14								NO DIVERSION					
Fred S. Betty	" o (1.4)	1-16								NO DIVERSION					
Mrs. H. C. and C. H. Epperson	" o (1.49)	1-10									17	147	140	18	318
Mrs. H. C. and C. H. Epperson	" o (1.5)	1-6								28	87	90	95	80	415
Mrs. H. C. and C. H. Epperson	" o (1.5)	1-16								NO DIVERSION					
Mrs. H. C. and C. H. Epperson	" o (1.51)	1-16								PLANT REMOVED					
T. Bihman	" o (1.85)	1-14								NO DIVERSION					
Mrs. H. C. and C. H. Epperson	" o (2.05)	1-8								NO DIVERSION					

TABLE 14B
 DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (Contd.)
 October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Elden Tarke	(3.0)	1-16									267	32	319	87	6	1,074
Robert Stohlman	(3.0)	1-18								NO DIVERSION						
Frank Amarsal	(3.55)	1-12 1-14									11	173	116	210	78	588
Edward Dean	b16.7N	1-12	58	41	5							44	55	66	6	347
Edward Dean	b16.75N	1-16								NO DIVERSION						
Epperson, Myers, DeWitt and Middleton	19.1N	1-12										14	391	75	7	778
T. S. Madden	19.9N	1-16										-7	77	19	14	227
--STATE HIGHWAY 20 BRIDGE--	19.9CN															
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	20.0N									SACRAMENTO SLOUGH						
SUTTER BYPASS AND SACRAMENTO SLOUGH																
Total			2468	1898	1331			0	37	49	15000	2290	26213	26270	11761	10780
Average cubic feet per second			40	32	21			0	5	8	244	371	437	427	198	149
Monthly use in percent of seasonal			2.7	1.2	1.2			0	0.1	0.1	13.9	20.5	25.1	24.4	10.5	

- Mileages on West Borrow Pit are given northerly from drain plant of Reclamation District 1500. Mile 9.15 on West Borrow Pit is opposite Chandler.
- Mileages on East Borrow Pit are given northerly or southerly from Chandler.
- Plant is on main drain canal for Drainage Plant No. 1 that joins East Borrow Pit of Sutter Bypass at Mile 1.4N. Figure in parentheses indicates distance along drain from East Borrow Pit.
- x Plant is on drainage canal for Drainage Plant No. 2 that joins East Borrow Pit of Sutter Bypass at Mile 10.0N. Figure in parentheses indicates distance along drain from East Borrow Pit.
- Plant is on Wadsworth Canal that joins East Borrow Pit of Sutter Bypass at Mile 16.5N. Figure in parentheses indicates distance along canal from East Borrow Pit.

- Plant is on Peedie Creek that joins East Borrow Pit of Sutter Bypass at Mile 16.7N. Figure in parentheses indicates distance along creek from East Borrow Pit.
- a Water used for irrigation in Sutter Bypass is mainly Feather River return water which enters East and West Borrow Pits via Butte Creek, Butte Slough, and Wadsworth Canal.
- b Indicates area irrigated within Bypass.
- c New installation in 1963.
- d The 10" unit replaced a 12" unit.
- e A 14" unit was removed in 1963.
- f Previously listed as a 14" unit.

TABLE 149
 DIVERSIONS - FEATHER RIVER
 October 1962 through September 1963

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Walter Raymond	0.6R	1-20	1									31	260	5	295	
Walter Raymond	1.0R	1-18										55	234	56	345	
Kirtlan Brothers	1.1L	1-12									157	224	345	199	925	
William Baird	1.5R	1-12										57	13		70	
Kipp and Reith	2.2L	1-18									112	46	189	44	391	
Walter Raymond	2.6R	2-20									15	246	725	34	1020	
Lingee-Elliott Ranch	2.6L	1-12	12								169	96	80	105	462	
Walter Raymond	4.0R	1-16										41	29		70	
Mrs. Aileen Marty	4.55L	1-18									153	199	102	147	601	
D. R. Toledo and Son	5.2L	1-12	4								40	47	122	39	252	
White Oak Ranch	5.6L	1-14 1-16	72							282	402	482	666	284	2188	
A. L. Haymore Estate	6.44L	1-10	40									101	106	35	282	
M. Scheiber	7.7L	1-14														
--NICOLAUS BRIDGE--	9.2															
--GAGING STATION - FEATHER RIVER AT NICOLAUS--	9.2															
Leo Muller	9.25L	1-8	14									18	16		48	
Hamatani Brothers	9.75R	1-20 1-30								1530	1670	1630	1870	929	7629	
Leslie A. and Carl A. Scheiber	10.3L	1-4														
--BEAR RIVER--	12.0L															
Garden Highway Mutual Water Company	13.1R	2-20 1-24	7							3000	3020	2790	2540	1180	12540	
Plumas Mutual Water Company	17.5L	2-18	741							531	1740	2050	1590	1080	7732	
Tudor Mutual Water Company	18.4R	2-30 1-35	83						242	129	448	2160	1730	1220	390	6402
G. C. Shannon	18.4R	1-18	1								60	33			94	
Oswald Water District	21.4R	2-16	46								505	573	426	224	1774	
DiGiorgio Fruit Corporation	21.9L	1-4														
--GAGING STATION - FEATHER RIVER BELOW SHANGHAI BEND--	23.0															
Richard Wilbur a	26.8L	1-10									64	62			126	
--YUBA RIVER--	27.3L															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0															
--5TH STREET BRIDGE--	28.0															
--10TH STREET HIGHWAY BRIDGE--	28.2															
Thomas, DiFiore, Campisi and Perrucci	30.9R	1-2½	6								8	26	8	3	51	
Richard Wilbur	31.6R	1-10								16	18	10	24		68	
Richard Wilbur	32.3R	1-10								13	56	22	25		116	
A. A. Sligar and Son	33.1L	1-3														
Henry Everett	33.2R	1-4														
O. D. Prindiville	33.3R	1-10	7						113		171	79	63	9	443	
J. L. Sullivan, Jr.	33.9R	1-8 1-10							113		169	166	118	59	625	
Sutter Extension Water District	38.1R	1-36 1-42 1-46								2670	4020	6930	8510	2530	24660	
La Finca Orchard	38.5L	1-5														
--HONCUT CREEK--	43.7L															
Mathews, Sullivan and Prindiville	W(0.4L)	1-18							112		372	279	118		881	
Matsumura Brothers	W(1.2L)	1-8							7		35	34	26		102	
M. Rizzolo and Sons	W(1.25L)	1-8									39			b	39	
Oskar W. N. der	44.5R	1-7														
Herringer Enterprise	46.3L	1-20 1-24	73								551	888	965	306	2783	
W. L. Robbins, Jr.	46.4R	1-6														
Manuel Aguilar	47.4L	1-7														
Manuel Aguilar	47.9L	1-12	94								40	153	157	50	496	

TABLE 149

DIVERSIONS - FEATHER RIVER (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.			
Robert S. Biggs	48.0L	1-7									53	60			113			
Robert S. Biggs	48.3L	1-10									120	61	2		253			
Bowers Ranch	49.0L	1-8									66	65	26		157			
--GAGING STATION - FEATHER RIVER NEAR GRIDLEY--	49.7																	
--GRIDLEY BRIDGE--	49.7																	
Roy Mathews	49.7L	1-6										22	15		37			
Robinson Estate	50.4L	c 1-12									141	220	108	117	586			
M. A. Pedrozo and Sons	50.7L	1-6										3	11	6	26			
A. E. Betten-court	51.0L	1-6																
R. B. Chambers	51.4R	1-5 1-10																
S. J. and J. R. Pratus	52.1L	d 1-10										42	56	46	47	191		
S. J. and J. R. Pratus	52.2L	1-5																
Mart Butler	52.5L	1-7	11									48	68	73	258			
Moe Fruitman	52.7L	1-8										36	41	20	122			
Carl Lee Walker	53.3L	1-6	15												15			
L. M. Ranches, Inc.	53.31L	1-2									4	12	8	9	39			
Ellis Fox e	53.32L	1-3									2	3	5	2	15			
Hearst Magazines Incorporated	55.1L	1-14																
Henry Haselbusch	57.9L	1-9										10	41	14	85			
--JOINT WATER DISTRICT DAM--	57.9																	
Joint Water District	58.1R	Gravity	15200	1100							7690	6040	93600	108000	92500	83200	53900	461200
--WESTERN CANAL COMPANY DAM--	61.1																	
Western Canal Company	61.2R	Gravity	5540	4850								17700	28900	33200	31700	17000	138900	
--OROVILLE - RICHVALE HIGHWAY BRIDGE--	62.6																	
--GAGING STATION - FEATHER RIVER AT OROVILLE--	65.0																	
--OROVILLE - CHICO HIGHWAY BRIDGE--	65.0																	
--GAGING STATION - FEATHER RIVER NEAR OROVILLE--	71.0																	
FEATHER RIVER																		
Totals			21970	5950	0	0	0	8277	6198	119800	153200	145500	135800	78870	675500			
Average cubic feet per second			357	103	0	0	0	135	104	1948	2575	2366	2209	1325	9331			
Monthly use in percent of seasonal			3.3	0.9	0	0	0	1.2	0.9	17.7	22.7	21.5	20.1	11.7				

- * Honcut Creek was formerly listed as Honcut Slough.
- This Creek enters the Feather River at Mile 43.7L.
- Plant diverts Feather River water backed into Creek. Distance from Feather River and bank is shown in parentheses.
- a Installed prior to 1963. Not previously listed.
- b No Feather River water was diverted after June, as the river was too low at this mile.
- c Replaces a 14" unit.

- d An 8" unit was removed in 1963.
- e New installation in 1963.
- f This total includes 851 acre-feet of returned water to Feather River through Live Oak and Cox spillways monthly totals as follows: June 153, July 468, August 131 and September 99.
- g Replaces gaging station at Mile 71.0.

TABLE 150

DIVERSIONS - YUBA RIVER
October 1962 through September 1963

WATER USER	MILE AND BANK above "D" Street	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--HIGHWAY 99E BRIDGE--	0.0														
Richard Wilbur	0.9L	1-6 1-12													
--SIMPSON LANE BRIDGE--	0.9														
Ben Williams	1.4R	1-6													
Lorin N. Trubshenck	1.6R	1-6													

TABLE 150

DIVERSIONS - YUBA RIVER (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above "D" Street	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE-FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.		
W. B. Harrington	2.2L	1-4 1-5							PLANT REMOVED								
River Bend Ranch	3.0L	1-14									268	276	100				744
O. D. Lolmaugh	3.1R	1-10									22	36	7				65
Richard Wilbur	4.1L	1-10 1-12 1-14							167		458	594	405				1624
DiGiorgio Fruit Corporation	4.75L	1-8	22								42	26	13				103
DiGiorgio Fruit Corporation	5.15L	1-6	19							13	46	3					81
--GAGINO STATION - YUBA RIVER NEAR MARYSVILLE--	5.2																
Scott Hendricks	5.75L	1-14							NO DIVERSION								
--DAGUERRE POINT DAM--	11.0																
Hallwood Irrigation Company	11.0R	Gravity	4180	1870	2090	405			531	834	12700	15200	17400	17900	10800		83910
Cordua Irrigation District	11.0R	Gravity	6840	7010	8220	1520				889	10500	10900	12700	13000	7550		79130
--DRY CREEK--	13.1R																
Yuba Consolidated Gold Field Company	14.5L	Gravity							NONAGRICULTURAL USE								
--HIGHWAY 20 BRIDGE--	17.1																
--DEER CREEK--	21.8L																
--ENGLEBRIGHT DAM--	22.8																
<u>YUBA RIVER</u>																	
Totals			11060	8880	10310	1925	0	698	1723	23210	26940	31040	31520	18350			165700
Average cubic feet per second			180	149	168	31	0	11	29	377	453	505	513	308			229
Monthly use in percent of seasonal			6.7	5.4	6.2	1.2	0	0.4	1.0	14.0	16.2	18.7	19.0	11.1			

TABLE 151

DIVERSIONS - BEAR RIVER
October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE-FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.		
--MARYSVILLE-NICOLAUS COUNTY ROAD BRIDGE--	2.7																
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	3.4																
--WESTERN PACIFIC RAILROAD BRIDGE--	3.9																
--DRY CREEK--	4.5R																
--TROWBRIDGE-WHEATLAND COUNTY ROAD BRIDGE--	6.8																
W. H. Gilbert	8.1R	1-6							PLANT REMOVED								
California Packing Corporation	9.0L	1-8							NO DIVERSION								
California Packing Corporation	10.7L	1-10									30	180	69	58			339
--HIGHWAY 99E BRIDGE--	11.3																
--GAGINO STATION - BEAR RIVER NEAR WHEATLAND--	11.3																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	11.35																
<u>BEAR RIVER</u>																	
Totals			0	0	0	0	0	0	0	0	30	180	69	58			339
Average cubic feet per second			0	0	0	0	0	0	0	0	1	3	1	1			
Monthly use in percent of seasonal			0	0	0	0	0	0	0	0	9.4	53.1	20.4	17.1			

TABLE 15c
 DIVERSIONS - AMERICAN RIVER
 October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--GARDEN HIGHWAY BRIDGE--	0.4															
--HIGHWAY 40 and 99E BRIDGE (16th STREET)--	1.9															
North Sacramento Land Company	2.75R	1-8										12	19	17	48	
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.0															
--ELVAS FREEWAY BRIDGE--	3.2															
--GAGING STATION - AMERICAN RIVER AT SACRAMENTO (H Street)--	0.0															
E. Clemens Horst Company	6.5R	1-6							NO DIVERSION							
E. Clemens Horst Company	7.0R	1-4							NO DIVERSION							
E. Clemens Horst Company	7.5R	1-6	31								130	157	66		384	
J. I. Hass, Incorporated	7.7R	1-4									5	30	34	25	2	96
--WATT AVENUE BRIDGE--	8.8															
Walter J. Wissemann	9.0L	1-6										35	74	1		110
J. G. and P. F. Dauenhauer	9.2L	1-4	1									1	29	11	16	88
Ruth Coleman	9.4L	1-5	15										82	53		150
Gold Nugget Orchard Company	10.4R	1-5										11	11	17	11	58
Muske Sand and Gravel Company	11.2L	1-4	1									1			4	23
J. T. Gore	11.5L	1-4	65	64	10	12								17		170
Riverview Enterprises	11.7L	1-4							NO DIVERSION							
Carmichael Irrigation District	14.76R	1-10 2-12	177	140	140	174	90				5	134	305	322	710	1512
Carmichael Irrigation District	16.0R	4-10 4-12 1-14	651	51					134	158	194	581	1060	1030	982	4841
--PAIR OAKS BRIDGE--	19.0															
--BRIDGE STREET BRIDGE (OLD PAIR OAKS BRIDGE)--	19.2															
--GAGING STATION - AMERICAN RIVER AT PAIR OAKS--	21.4															
AMERICAN RIVER																
Totals			941	257	159	186	90	134	158	210	944	1757	1575	1338	7749	
Average cubic feet per second			15	4	3	3	2	2	3	3	16	29	26	22	11	
Monthly use in percent of seasonal			12.1	3.3	2.1	2.4	1.2	1.7	2.0	2.7	12.2	22.7	20.3	17.3		

TABLE 153
 DIVERSIONS - PUTAH CREEK*
 October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
T. S. Glide	0.8L	1-6											4	4		8
Cowell Foundation a	1.6R	1-12											15	63		213
William C. Hamel	2.7R	1-10 1-14												84		84
William C. Hamel	2.5L	1-8										54	14	72	4	144
--COUNTY LINE ROAD BRIDGE--	3.8															
W. E. Hansen	4.3L	1-8										61	58	13		132
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	7.5															
--U. S. HIGHWAY 40 BRIDGE--	8.0															
--WILLOW CANAL WASTEWAY--	8.8															
--GAGING STATION - PUTAH CREEK NEAR DAVIS--	9.0															
C. B. and Cornelia S. Phillips	12.65R	1-6							NO DIVERSION							

TABLE 153

DIVERSIONS - PUTAH CREEK* (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8															
--STEVENSON ROAD BRIDGE--	12.8															
B. S. Wolff, Jr.	13.1L	1-5								NO DIVERSION						
Fentzling Ranch	13.9L	1-7								NO DIVERSION						
--GAGING STATION-PUTAH CREEK BELOW WINTERS (BOYCE ORCHARD)	17.0															
Eyvand M. Faye	17.1R	1-6									58	96	42			196
A. C. A. Orchards	19.3L	1-4									9	9	4			22
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9															
--COUNTY ROAD BRIDGE--	19.9															
--PUTAH DIVERSION DAM--	22.6															
--PUTAH SOUTH CANAL--	22.6R															
Jack and Grace Fay	24.0R	1-3									1	3	2			6
--COUNTY ROAD BRIDGE--	24.0															
Occidental Petrol Company	24.0R	1-3														
Victor Tucker	24.0L	1-2														1
Mabel Goddard, et al	24.9R	1-3	6								7	16	33	30	14	106
Mabel Goddard, et al	25.2R	1-2½	3										5	11	2	21
L. A. and Clara Sackett	25.6R	d 1-3											6	3	1	10
L. A. and Clara Sackett	25.8R	d 1-3	2											7	8	17
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8															
Samuel S. Silvey	28.6L	1-2														1
Samuel S. Silvey	28.7L	1-1½									2	3	3	3	3	17
--HIGHWAY 128 BRIDGE--	28.8															
Samuel S. Silvey	29.0R	1-1														e
--MONTICELLO DAM--	29.3															
<u>PUTAH CREEK</u>																
Total			11	0	0	0	0	0	0	2	12	200	381	338	32	978
Average cubic feet per second			0	0	0	0	0	0	0	0	0	3	6	5	1	1
Monthly use in percent of seasonal			1.1	0	0	0	0	0	0	0.2	1.2	20.4	39.0	34.6	3.3	

- * Diversions below the gaging station at Mile 7.2 (S.F. Putah Creek near Davis) are considered as Delta Upland Diversions. These diversions are also shown in Table
a No Putah Creek water diverted by this pump during September. Water diverted was water pumped into

- Putah Creek from Volo Bypass (West Cut) by pump at Mile 17.1R (1.4).
b. The 14" unit was installed in 1963.
c Formerly listed as Sam F. and Marie Dorton.
d Portable unit used at Mile 25.6R and 25.8R.
e Used less than one acre-foot.

TABLE 154

 DIVERSIONS - DELTA UPLANDS
 (Old River, Tom Paine Slough, and French Camp Slough)
 October 1962 through September 1964

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>OLD RIVER</u> *															
--CONTRA COSTA CANAL--	30.5L														
John A. Bettencourt	a 30.5L	1-18	41							142	147	182	72	584	
Augustus Sarija	b 36.5L	2-6	16					1		31	44	53	58	236	
East Contra Costa Irrigation District	36.5L	1-18 3-24 2-30	624							402	7420	7500	7580	3110	26640
--STATE HIGHWAY 4 BRIDGE	38.8														
Byron-Bethany Irrigation District	c 40.9L	1-20 1-24 2-30	1450						678	33	4590	7710	7520	5550	35180
--GAGING STATION - OLD RIVER AT CLIFTON COURT FERRY--	44.0														
--DELTA MENDOTA CANAL--	44.6L														
M. R. Purtado	d 44.6L	1-14	132					22		114	230	210	223	260	1191
J. R. Colburn and Fred H. Draper	44.7L	1-8								31	38	38	49	36	194
William M. Ralph	45.3L	1-12	76					81		227	228	337	321	275	1545
Bankhead Enterprises	f 47.2L	1-16		11	25	8	9	48	25	64	150	236	116	692	
Lucio J. Costa	e 47.2L	1-14	127	61									73	162	423
Johnnie L. Coata	d 47.65L	1-8						1		43	47	84		43	218
West Side Irrigation District	d 47.65L	1-10 7-15 1-18	861					1920	222	5390	5740	6160	5750	3740	30780
Vance Brown	48.4L	1-12	19					17		79	60	90	65	42	372
Naglee Burke Irrigation District	48.6L	1-14						77			1			52	130
Salles Br-thera	49.5L	1-4	1							1	3	1	2		8
Naglee Burke Irrigation District	50.4L	1-16 1-18	398		8	6		409		1570	1610	1960	1980	1220	9161
Premont Irrigation Association	50.9L	1-16	40		291			194	1	22	265	302	270	146	1737
Joe M. Preitaa	51.0L	1-8						12		18	17	27	26	14	114
Arthur Casserini	51.2L	1-10	1									16	32	20	69
E. Platti, J. Ooulardt, T. Silveira, and A. Galli	52.4L	1-10	2					58	1	20	59	66	48	15	268
--TRACY ROAD BRIDGE--	52.8														
--GAGING STATION-OLD RIVER NEAR TRACY ROAD BRIDGE--	52.8														
A. L. Galli	53.0L	1-8			64										64
--MOUTH OF TOM PAINE SLOUGH--	54.3L														
<u>OLD RIVER</u>															
Totals			3788	72	388	14	9	4518	281	12810	23760	24750	24420	14790	109600
Average cubic feet per second			62	1	6	0	0	73	5	206	399	402	397	249	151
<u>TOM PAINE SLOUGH</u> **															
Independent Mutual Water Corporation and Company	.7S	2-18	60		2		107	224	6	229	511	439	400	388	3046
Independent Mutual Water Corporation and Company	1.5S	1-18	35		222	7		55		102	145	113	138	83	900
--HOLLY SUGAR CORPORATION DREDGER CUT--	2.1S														
George J. Lake	" (0.5W)	1-10			157	22							63	73	315
Holly Sugar Corporation	" (1.2W)	1-14						51			148	159			363
Holly Sugar Corporation	" (1.35W)	1-12													
--GAGING STATION-TOM PAINE SLOUGH ABOVE MOUTH--	2.2														
--MACARTHUR DRIVE BRIDGE--	2.7														
Pescadero Reclamation District 2058 (#1)	2.9S	1-12	21			91		92		115	172	168	143	114	916
--LAUREL AVENUE BRIDGE--	3.7														
Frank Bastian	4.3S	1-8								18	8	14	26		66
--PARADISE ROAD BRIDGE--	6.0														
Pescadero Reclamation District 2058 (#3)	6.3S	1-14 1-16 1-20	442	122			9	1120	33	1870	2500	2380	2440	2000	12920

TABLE 154

DIVERSIONS - DELTA UPLANDS
 Old River, Tom Paine Slough, and French Camp Slough (contd.)
 October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
<u>TOM PAINE SLOUGH (contd.)</u>																
--MAPLE AVENUE BRIDGE--	7.0															
Pescadero Reclamation District 2058 (#5)	8.3S	1-12						149	25	197	254	264	377	162	1434	
--CALIFORNIA AVENUE BRIDGE--	8.8															
Pescadero Reclamation District 2058 (#6)	9.0N	1-16 1-18	19								121	163	140	203	86	732
<u>TOM PAINE SLOUGH</u>																
Totals			577	122	1061	120	116	1691	67	2652	3901	3677	3795	2909	20690	
Average cubic feet per second			9	2	17	2	2	28	1	43	66	60	62	49	29	
<u>FRENCH CAMP SLOUGH</u>																
Carolyn Weston	1.05L	1-12										103	72		175	
Carolyn Weston	1.4L	1-6									18			29	47	
Carolyn Weston	1.45L	1-6								44	70	28	67	96	305	
--FRENCH CAMP TURNPIKE--	2.0															
Frank West	2.2L	1-10	12					81		242	228	314	276	176	1329	
Manuel E. Granados	2.3R	1-3											1		1	
Robert L. Bordenave	2.8R	1-8						NO DIVERSION								
Frank West	3.0L	1-10						26			23	101	103	81	72	406
Tom Gomes	3.3L	1-5						NO DIVERSION								
Tom Gomes	3.4L	1-4						NO DIVERSION								
--U. S. 50 HIGHWAY--	3.45															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.6															
Milton G. Boege	3.8L	1-8						NO DIVERSION								
Robert L. Bordenave	3.8R	1-12	40												41	
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1															
Clark Anderson	4.2R	1-14						NO DIVERSION								
--GAGING STATION-FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4															
<u>FRENCH CAMP SLOUGH</u>																
Totals			52	0	0	0	0	107	0	309	417	548	497	372	2303	
Average cubic feet per second			1	0	0	0	1	2	0	5	7	9	8	6	3	

* Mileage along Old San Joaquin River from mouth of San Joaquin River 4 1/2 miles below Antioch.
 ** Mileage along Tom Paine Slough from its mouth at Mile 54.3L on Old San Joaquin River.
 *** Mile and bank above mouth.
 1 Holly Sugar Corporation Dredger Cut joins Tom Paine Slough at Mile 2.1S. Distance along dredger cut and bank is shown in parentheses.
 2 Rock Slough joins Old San Joaquin River at Mile 30.5L. Pumping plant is located on intake canal which joins Rock Slough.

b Indian Slough joins Old San Joaquin River at Mile 36.5L. Pumping plant is located on intake canal which joins Indian Slough.
 c Italian Slough joins Old San Joaquin River at Mile 40.9L. Pumping plant is located on intake canal which joins Italian Slough.
 d Plant is located on intake canal which joins the Old San Joaquin River at this mile.
 e Plant is located on Mountain House Creek which joins the Old San Joaquin River at this mile.
 f Formerly listed as C. O. Bankhead and Sons.

TABLE 155

DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalis)
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE- FEET				
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.					
--STATE HIGHWAY -- BRIDGE--	45.5																		
--FRENCH CAMP SLOUGH--	46.1R																		
Carolyn Weston	46.2R	1-6													1		6		
Carolyn Weston	46.3R	1-12				17					124	70	92	92			435		
Mrs. John Lillie	46.65R	1-10									87	122	97	62	45		413		
Frank West	46.85R	1-10	49					19		67	87	105	100	9			436		
F. Asano	47.2R	1-6	2	6				4		14	12	21	19	6			85		
W. Iffinger Brothers	47.5R	1-10						18		20	36	34	18	19			145		
C. C. Lung	47.55R	1-10						62	10	24	86	105	62	88			443		
Waldo C. Haack	48.0R	1-14						NO DIVERSION											
Waldo C. Haack	48.1R	1-14		14		10		172		111	160	225	178	75	a		1182		
Chas L. Young	48.3R	1-6	3							9	9	16	15				55		
Joe Calcagno	48.5R	1-8	15							23	40	53	56	6			213		
C. J. Fregno	48.55R	1-6	11								11	15	16	4			57		
John Calcagno	48.66R	1-12	23			86				24	92	164	151	31			70		
Alfred Rodgers	49.0R	1-12	24	36		2				4	75	110	79	82			412		
Ray Muller and P. Terry	49.3R	1-14								153	76	238	189	164			820		
Ray Muller and P. Terry	49.5R	1-12									68	94	28	26			218		
A. A. Rodgers	50.1R	1-10	9							19	27	45	47	32			179		
--GAGING STATION-SAN JOAQUIN RIVER AT BRANDT BRIDGE--	50.2																		
A. Hirata	50.4R	1-10	4							26	37	65	43	48			222		
R., K., and B. Watanabe b	50.6R	1-6									20	35	28	a			84		
D. Toscano	50.8R	1-6								13	12	24	22	11			82		
Pastorino Brothers	50.9R	1-12		38	2			42		48	25	114	103	45			417		
Felipe Esteban	51.2R	1-12	12					26		26	29	53	27	33			206		
W. B. Herbert and Y. B. Lawrence	51.6R	1-10								26	57	53	82	14			232		
A. McNamara, K. McNamara and Betty French	52.4R	1-5									7		6				13		
E. F. Valla	52.65R	1-10			96							80	45				221		
J. Widmer	53.2R	1-16	6					62		224	225	355	341	196	a		1409		
J. Widmer	53.45R	1-12								38	31	34	31	19			153		
Julio Lorenzo	53.5R	1-8	9								11	10		27			56		
Mack Sung	53.55R	1-2						DOMESTIC USE ONLY											
John Caparra	53.6R	1-4	2	1				1		4	5	9	6	4			32		
J. R. m. and B. Andaya	53.7R	1-14	4					30		60	26	148	98	100			516		
I. N. Robinson, Jr.	53.8R	1-14	73	14	11			107		200	204	347	304	171			1437		
H. N. Hansen, H. C. Hansen and William Giger	54.9R	C 1-8	110	84						38	196	157	116	138			839		
--JUNCTION WITH MIDDLE RIVER--																			
Oakwood Stock Farm	57.0R	1-14						134		130	371	519	461	62			1677		
Ernest Wennhold and Roy Tholke	57.15R	1-7								43	26	25	28				151		
A. J. Thomsen	57.39R	1-6									18	20	23				61		
Andrew B. Calori	57.45R	1-6						35			29		20				84		
G. Gardella	57.5R	1-4						18		8	1	4	4				37		
A. Queiroz	58.6R	1-4									14		10				32		
Tony Maur	58.7R	1-6										6		7			13		
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8																		
--GAGING STATION-SAN JOAQUIN RIVER AT MOSSDALE BRIDGE--	58.9																		
--U. S. 50 HIGHWAY BRIDGE--	58.9																		

TABLE 155

DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalis) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Libby, Owens, and Ford	59.25R	1-6									29	10	27	6	59
M. H. Madruga	59.3R	1-18			70	8	20	48	26		156	93	333	76	830
Eugene J. Rossi, et al	59.5L	1-14							26		124	113	210	179	771
--WESTERN PACIFIC RAILROAD BRIDGE--	59.5														
M. H. Madruga	d 60.1R	1-6				8	15	8				35	17		105
O. M. Baird	d 60.1R	1-16						122		187	104	233	326	117	1191
A. P. Windeler	60.5L	1-16	21					36		136	126	179	151	126	777
E. Piochi and Son	60.8R	1-8			102						3	27			132
E. Piochi and Son	61.4R	1-12			164			31				34	73	159	461
Lester Bishofberger	62.0R	1-8									72		25	11	108
Bernice Van Sostem	62.0L	1-12	30					89		152	187	106	191	104	955
--PARADISE DAM (HEAD OF PARADISE CUT)	62.2L														
Paradise Mutual Water Company	e 62.2L	1-14 1-20	24		141	57		247		358	402	419	583	314	2541
G. Eldon Everett	63.3L	2-20		184	185					252	547	838	913	209	3134
State of California	63.3L	1-14	83	36				124		250	374	400	530	374	2171
H. H. Grimes	63.6R	1-12		2	341								123		466
G. Eldon Everett	63.7L	1-10								29		54	72		155
Alexander Hildebrand	f 66.0R	1-14	36					60	2	7	86	185	101	98	576
Jannie J. Silva	66.7L	1-16							1	3	76	86	50		216
K-C Ranch	66.8R	1-16	1							53	4	112	65	96	331
George A. Plummer	67.0R	1-6						NO DIVERSION							
Banta Carbons Irrigation District	67.5L	2-10 2-16 2-20 3-24 1-36	1620					3670	1670	9110	10300	9340	8210	6060	50580
John Reamers	68.2R	1-10	44								120	85	127	48	424
San Joaquin River Water Users Company	69.5R	1-16								45	141	236	334	139	895
Glenn M. West Estate	70.0L	1-10	29							137	131	204	187	133	834
San Joaquin River Water Users Company	71.0R	2-16	222	15			42	188		659	613	771	1020	767	4297
E. Filippini	71.0R	1-4	9									6	7	1	19
A. J. Cardoza & Son	71.75R	1-16						NO DIVERSION							
Ebell and Cochran	g 71.9L	1-12								202	432	418	327	199	1578
A. J. Cardoza & Son	72.1R	1-10									13	43	68	58	182
H. J. Mortensen and Barker	73.2R	1-8 1-12								253	121	304	381	284	1543
San Joaquin River Club	74.7L	1-8	81	77	49	94		49		66	125	98	4	87	730
E. A. Tassi	75.6R	1-16						58		42		101	131	72	404
<u>SAN JOAQUIN RIVER (Stockton to Vernalis)</u>															
Totals			2576	631	1265	325	77	5547	1716	1366	1660	1500	1800	11140	89910
Average cubic feet per second			42	11	21	5	1	90	29	222	230	29	294	187	124

* Mileage along San Joaquin River from its mouth $4\frac{1}{2}$ miles below Antioch.

Includes an undetermined amount of water returned to the river by spill.

b Formerly listed as K. R. and F. Watanabe.

c An 8" unit replaced the 10" unit in 1962.

d Plant is located on Walthall Slough which joins the

San Joaquin River at this mile.

e Plant is located on Paradise Cut which joins the

San Joaquin River at this mile.

f Plant is located in Old Channel which joins the

San Joaquin River at this mile.

g New installation in 1963.

TABLE 156
 DIVERSIONS - DELTA UPLANDS
 (Calaveras River)*
 October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Inman Reclamation Company	1.8L	1-12							NO DIVERSION								
M. Larson a	2.1L	1-2							NO DIVERSION								
Clair E. Heitman	2.2L	1-4	1								1	1	1	1	1		6
E. F. Woelfel a	2.35L	1-5							NO DIVERSION								
Weiershauser, Ghirzo and Fiorardo	2.5R	1-12	1														1
John Santa Maria	2.9L	1-4									1	2	4	2			9
--PACIFIC AVENUE BRIDGE--	5.7																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	5.3																
--STOCKTON DIVERTING CANAL--	5.4L																
Roy Moresco	5.7L	1-14							NO DIVERSION								
Claude Moresco	6.0L	1-5							NO DIVERSION								
A. Toso	6.2L	1-4									14	10	10	5			39
A. Toso b	6.5L	1-3									12	6	6	7			27
--U. S. 50 AND 99 HIGHWAY BRIDGE--	6.8																
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	7.3																
--CHERRYLAND ROAD DAM--	7.3																
A. Vignolo and Son c	7.3L	1-12															
CALAVERAS RIVER																	
Totals			2	0	0	0	0	0	0	1	18	20	23	11			82
Average cubic feet per second			0	0	0	0	0	0	0	0	0	0	0	0			0

- * Diversions below the Stockton gaging station are considered as Delta Uplands diversions. Right bank diversions below Mile 2.0 and left bank diversions below Mile 0.7 are not included since they serve areas that are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 5.0.
- a Installed prior to 1963. Not previously listed.
- b New installation in 1963.
- c This station was dropped last year but was not noted.

TABLE 157
 DIVERSIONS - DELTA UPLANDS
 (Mokelumne River*)
 October 1962 through September 1963

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Clow and Rose	4.7R	1-12									41	78	9				128
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9																
--COSUMNES RIVER--	5.0R																
--WESTERN PACIFIC RAILROAD BRIDGE--	5.4																
Manuel Lopes	6.6R	1-12	17								42	182	217	156			610
Thornton-Fry Ranches	6.9R	1-8									7	6	6				19
--GALT -THORNTON HIGHWAY BRIDGE--	7.0																
Thornton-Fry Ranches	7.6R	2-12									627	855	899	374			2755
Thornton-Fry Ranches	8.1R	1-12							NO DIVERSION								
Albin G. Steffan	8.7R	1-12	18								65	154	105	31	100		673
J. L. Frandy	10.4L	1-12							NO DIVERSION								
Albin G. Steffan	10.6R	1-16	77							430	661	534	592	429			2719
Albin G. Steffan	12.7R	1-12	39							250	262	718	330	219			1418
Al Sarti	12.7L	1-5										8	7				15

TABLE 157

DIVERSIONS - DELTA UPLANDS
(Mokelumne River**) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
A. Taddei	14.2R	1-6							NO DIVERSION								
C. Blattler	15.5R	1-4	1								6	15	13	0			55
A. Taddei	15.6R	1-6				17				1	1	57	47	51			150
Mrs. Rose J. Linde	16.8R	1-6										42	21	8			71
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2																
--SACRAMENTO ROAD BRIDGE--	19.8																
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9																
<u>MOKELUMNE RIVER</u>																	
Totals			148	0	0	13	0	0	1	75	1908	2147	3370	1274			8613
Average cubic feet per second			2	0	0	0	0	0	0	12	32	35	39	21			12

- * Diversions below the Woodbridge Gaging Station are considered as Delta Uplands Diversions. Left bank diversions into Reclamation District 348 (below Mile 9.8) and right bank diversions into M-Cormack-Williamson Tract (below Mile 3.5) are not included, since these areas are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 10.5.
- ** Mile and bank above New Hope Bridge.

TABLE 158

DIVERSIONS - DELTA UPLANDS
(Cosumnes River*)
October 1962 through September 1963

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--WESTERN PACIFIC RAILROAD BRIDGE--	0.4																
R. L. Deller	0.8R	1-12	5								13	41	39	41	21		160
R. L. Deller	1.7R	1-10							NO DIVERSION								
Nicolaus Ranch	1.9R	1-12 2-16	28						16	14	32	108	90	254	36		588
Kenworthy and Patterson	2.0L	1-30	11								689	648	663	658	298		2967
A. H. Watson	2.8L	1-7							NO DIVERSION								
--STATE HIGHWAY 104 BRIDGE--	5.3																
Fred G. Cary	6.0L	1-3							NO DIVERSION								
L. G. Kilkeary and H. Trevor	9.8R	1-16							NO DIVERSION								
Jack Lewis	10.5R	1-8			56							66	107				281
--SOUTHERN PACIFIC RAILROAD BRIDGE--	10.6																
--U. S. 50 and 99 HIGHWAY BRIDGE--	10.7																
--GAGING STATION - COSUMNES RIVER AT McCONNELL--	10.7																
<u>COSUMNES RIVER</u>																	
Total			44	3	56	52	0	16	14	734	863	899	963	358			3996
Average cubic feet per second			1	0	1	1	0	0	0	11	14	14	10	6			6

- * Diversions below the McConnell Gaging Station are considered as Delta Uplands Diversions. Tidal effect ceases at about Mile 10.5.

TABLE 159

DIVERSIONS - DELTA UPLANDS
(Sacramento River below Sacramento *)
October 1962 through September 1964

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--RIO VISTA BRIDGE--	12.9																
John Lira	13.0R	1-6							NO DIVERSION								
C. A. Beach	45.2L	1-12									40	64	89	30			223
W. and B. Correa	45.5L	1-10									39	78	21				138
Hark and Forsythe	45.75L	1-6							NO DIVERSION								
A. J. Sweeney	45.95L	1-10									18	30	46	18			112
--FREEPORT BRIDGE--	46.0																
Freeport Development Company	46.25L	1-8								39	43	187	156	16			441
L. J. Dee	46.8L	1-10							NO DIVERSION								
L. G. Klotz	47.3L	1-8											35	34			82
E. A. Franklin	47.5L	1-8									43	15	15				53
George Coleman	47.7L	1-6							NO DIVERSION								
M. A. Richardson	53.7L	1-6							NO DIVERSION								
City of Sacramento a	56.0L	3-14				200	491	636	568	774	1050	1040	1150	715			6624
--TOWER BRIDGE - SACRAMENTO--	59.0																
<u>SACRAMENTO RIVER BELOW SACRAMENTO</u>																	
Totals			813	903	900	2003	4919	63610	56810	81313	121320	141423	151245	81814			767311
Average cubic feet per second			813	903	900	2003	4919	63610	56810	81313	121320	141423	151245	81814			767311

* Mileage above Chain Island.
a New installation in 1963.

TABLE 160

DIVERSIONS - DELTA UPLANDS
(Yolo Bypass - West Cut)*
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
H. L. Sorenson	4.2R(1.1)	1-14											224	112			336
H. L. Sorenson	4.2R(1.9)	1-14										122	110	164			396
Mounds Farms	4.2R(2.0)	2-12	229	47	47	9					121	102	42	51			748
H. L. Sorenson	4.2R(2.0)	1-16	155		13	4					147	260	176	157			914
Yolo Flyway Farms	5.7R(0.9)	1-18	235	93	94	7					7	115	25	212			786
R.S.W. Ranch	5.7R(1.5)	1-16	270	15	53	5	4			133	519	485	466	498			2178
Yolo Basin Farms	6.75R(0.6)	1-16	338	120	206	60					2	18		296			1040
Lucky Five Farms	6.75R(0.7)	1-16	130	18	30						62	187	140	13			701
U. C. Soda	7.85R(0.2)	1-16	104	25	45	11	10				82	4		75			359
Swanston Land Company	7.87R(0.7)	1-16											133	17			266
Swanston Land Company	7.87R(1.6)	1-16	88											1			89
Vaughn and Vassar	7.87R(2.0)	1-14	30							12	199	225	128	81			675
Vaughn and Vassar	7.87R(2.4)	1-14	21			1				47	312	294	247	207			1119
Vaughn and Vassar	7.87R(2.6)	1-14 1-16	50	17	18	5				184	637	602	635	368			2516
Swanston Land Company	9.1R	b 1-18	68								353	97	146				660
T. S. Glide	10.9R(0.1)	1-20	37		87	100	91	26		21	16	408	408	262			2026
T. S. Glide	11.0R	1-20										44	53				97
T. S. Glide	12.4R	1-14										44	53				97
T. S. Glide a	12.9R	1-14										75	193	75			298
T. S. Glide	13.15R	1-16							NO DIVERSION								
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2																
T. S. Glide	13.5R	1-10 1-16							NO DIVERSION								
T. S. Glide	13.9R	b 1-14										79	79				158

TABLE 160

DIVERSIONS - DELTA UPLANDS
(Yolo Bypass - West Cut)* (Contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
T. S. Glide	14.4R	1-16															
T. S. Glide	14.8R(0.2)	1-16								NO DIVERSION							
T. S. Glide a	14.8R(0.3)	1-14								NO DIVERSION							
T. S. Glide	14.8R(1.0)	1-16										26	17				43
Cowell Foundation	17.1R(0.7)	1-20								NO DIVERSION		66	88	89	65		307
Cowell Foundation	17.1R(1.4)	3-20 1-30	264	43	266	6					1430	250	4080	2390			10730
T. S. Glide	18.6R	1-36								NO DIVERSION							
--U. S. 40 and 99W Causeway--	20.1																
<u>YOLO BYPASS - WEST CUT</u>																	
Totals			3222	375	1160	208	105	26	0	399	295	5614	7534	4943			26540
Average cubic feet per second			36	6	19	3	2	0	0	6	66	91	123	83			37

* Mileage above Prospect Island.
a New installation in 1963.

b Replaced a 10" unit in 1963.
c This is a portable unit.

TABLE 161

DIVERSIONS - DELTA UPLANDS
(Putah Creek)*
October 1962 through September 1963

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
T. S. Glide	0.8L	1-6										4	4				8
Cowell Foundation a	1.6R	1-12										150	62				213
William C. Hamel	2.7R	1-10 b 1-14											54				54
William C. Hamel	2.8L	1-8									5	14	72	4			144
--COUNTY LINE ROAD BRIDGE--	3.8																
W. E. Hansen	4.3L	1-8									61	58	13				132
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2																
<u>PUTAH CREEK</u>																	
Total						0	0	0	0	0	115	226	250	4	4	4	511
Average cubic feet per second						0	0	0	0	0	14	28	31	0.5	0.5	0.5	63

* These diversions are considered as part of the Delta Uplands. The diversions for the entire Putah Creek below Monticello Dam are shown in Table 162.

a No Putah Creek water diverted by this pump during September. Water diverted was water pumped into Putah Creek from Yolo Bypass (West Cut) by pump at Mile 17.1R(1.4).
b The 14" unit was installed in 1963.

TABLE 162

DIVERSIONS - DELTA UPLANDS
 (Miscellaneous Delta Uplands)
 October 1962 through September 1963

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>MISCELLANEOUS DELTA UPLANDS</u>															
<u>Five Mile Slough</u>															
Sam Hernandez	2/6-17D	1-3								1	2	1		4	
Denver Henderson	2/6-8N	1-8					1			4	18	16	22	14	75
<u>Disappointment Slough</u>															
H. Moffat and Elbon Land Company	2/6-6P	1-18	62							245	400	545	444	112	1808
H. Moffat and Elbon Land Company	2/6-6J	1-14	46							225	426	445	484	269	1895
<u>Telephone Cut</u>															
E. V. Lang	3/5-26R	Gravity	38	24	8	4									74
Baldwin and Sanderson	3/5-35A	Gravity	96	60	20	10									186
Baldwin and Sanderson	3/5-25R	1-16 1-12	5						9	126	119	270	474	161	1164
Baldwin and Sanderson	3/5-36A	1-7½	1							113	25	105	14	91	465
Baldwin and Sanderson	3/5-36B	1-12								30		66	68	52	216
E. V. Lang	3/5-36D	Gravity							NO DIVERSION						
E. V. Lang	3/5-36C	Gravity							NO DIVERSION						
<u>White Slough</u>															
Bert Van Ruiten	3/5-25C	1-16	68	4	7	11		5	7	126	263	301	322	254	1368
Bert Van Ruiten	3/5-26C	1-12	86		11	14		9		67	164	200	236	195	986
<u>Hog Slough</u>															
Robinson Farms	4/5-28B	Gravity	209	31	126	32				34		43	35	75	582
Robinson Farms	4/5-28B	Gravity	24		12	4							24		66
Thompson-Polger Company	4/5-28C	1-12 Gravity	254	70	84	34	60	11	50	142	433	347	372	307	2164
<u>Beaver Slough</u>															
C. B. Orvis	4/5-15C	1-15	24		1			17		124	193	244	172	75	852
C. B. Orvis	4/5-15D	1-18	164	32	56	27		8	1	71	192	226	191	145	1113
Canal Ranch	4/5-16B	1-8 Gravity	82												82
Canal Ranch	4/5-16D	1-8	110							6	63	89	67		335
<u>Burtin Slough</u>															
Clow and Rose	5/5-28D	1-10									11	18	7	7	43
Barnes Ranch	5/5-29D	1-5 1-10													146
Clow and Rose	5/5-20K	1-8										52	52	7	111
Murse Brothers	5/5-16N	1-16								108	194	208	261	116	887
Clow and Rose	5/5-15M-1	1-10 1-14									495	246	351	310	1454
Murse Brothera	5/5-15M-2	1-14	18							178	309	299	26	56	1125
Thomas B. Sharp	5/5-16J	1-12									304	330	356	385	1377
<u>East Dredger Cut - Snowgrass Slough</u>															
H. E. Graf	6/5-31N	1-12						NO DIVERSION							
Alfred Kuhn	6/4-36Q	1-16	2							29	32	202	264	74	626
<u>Duck Slough Extension</u>															
Isabella Wineman	6/2-26B	1-14	32							33	155	125	105	107	507
Isabella Wineman	6/2-26D	1-12	27							60	154	150	139	116	654
Isabella Wineman	6/2-26J	1-14	9							76	466	331	314	211	1492
<u>Haas Slough</u>															
Elmira Farms	6/2-33H	1-12	9	24	72					5	42	7		2	251
Reclamation District 206	6/2-34G	1-24 2-30 1-36	311	227	327	42		146		2970	3590	938	8950	6952	40930
Francis F. Gunning	6/2-34F	1-16	11	7	37					6	118	247	283	157	1164
<u>Cahoe Slough</u>															
Carpenter Ranch	4/3-24B	1-12									6	1			7
Harold D. Miller	5/2-4B	1-14	7	47	46					106	91	231	141	115	854
Jack Parker	5/2-4K	1-12	5		15						123	98	102	5	443
Ervin E. Vassar	5/2-4K	1-20	4	17	31					17	337	272	329	225	1264

TABLE 162

DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands) (contd.)
October 1962 through September 1963

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
<u>Calhoun Cut</u>																
Matilda Hall	2/2-19J	1-10													b	
<u>Unsegregated</u>																
Porter Estate Company	2/3-19E	1-16	18							9	18	31	21	25	122	
Red House Ranching Company	3/5-23L	1-10	38							69	108	110	158	67	550	
R. C. C Idani	3/5-14L	1-14	58	5	5	9	1			36	176	208	215	150	863	
Cotta and Sousa	4/5-34Q	1-16	49							292	136	300	228	97	1102	
H. L. Sorensen	6/3-18F	1-14	38	1	3	28					132	76	71	74	423	
H. L. Sorensen	6/3-20J	1-16	103	195	53	5					1	2	212	15	586	
H. L. Sorensen	6/3-19E	1-14	112	19	33	40					171			209	584	
H. L. Sorensen d	6/3-19D	1-10										17	11		28	
H. L. Sorensen	6/3-30D	1-14	256	50	103	64					150			174	797	
H. L. Sorensen	6/3-30L	1-16	166								6	76	48	81	377	
Reclamation District 2068	6/2-25P	1-12													e	
Sub-Irrigated Lands f			91						92	118	130	168	189	160	118	1066
<u>MISCELLANEOUS DELTA UPLANDS</u>																
Total			5136	858	1047	215	64	28	1	54	15890	16110	16120	11660	73320	
Average cubic feet per second			84	14	17	5	1	1	1	89	267	262	262	196	101	
<u>DELTA UPLANDS</u>																
Total			14550	2061	4976	1256	862	12830	2832	37630	68730	73620	75530	48280	343300	
Average cubic feet per second			237	35	81	20	15	209	48	612	1155	1197	1228	811	474	
Monthly use in percent of seasonal			4.2	0.6	1.5	0.4	0.3	3.7	0.8	11.0	20.0	21.4	22.0	14.1		

* Figures represent North Townships, East Ranges and Sections. Letters represent the 1/4 - 1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.
a Records sufficient to compute only yearly diversion.
b No record. Lessee refused permission to enter property.

c Includes an undetermined amount of Marsh Creek water.
d New installation in 1963.
e Diversion in 1963 was all controlled drainage water.
f Estimated consumptive use for lands in the Delta Uplands considered as sub-irrigated from tidal channels during 1963 without a specific point of diversion.

TABLE 164
DELIVERIES FROM POLSON AND NIMBUS RESERVOIR
October 1962 through September 1963

WATER USER	Record in Table No.	MONTHLY DIVERSION IN ACRE - FEET												Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
<u>AMERICAN RIVER</u>														
<u>Natomas Water Company</u> a														
Total acre-feet		1726	1864	1488	1335	1427	1468	1400	1759	2100	2002	2638	2174	2009
Average cubic feet per second		20	22	17	16	17	17	16	21	25	24	31	26	24
Monthly use in percent of seasonal		8.5	8.7	6.7	6.5	6.4	7.3	6.9	8.7	9.4	11.1	11.1	10.8	
<u>San Juan Suburban Water District</u> a														
Total acre-feet		1045	1348	1187	1065	889	1064	911	1453	414	458	4399	374	473
Average cubic feet per second		33	41	19	17	16	17	15	32	7	7	72	6	18
Monthly use in percent of seasonal		7.5	4.9	4.2	4.4	4.3	3.9	3.3	7.2	15.2	16.8	16.1	13.7	

TABLE 164
DELIVERIES FROM CONTRA COSTA CANAL
October 1962 through September 1963

WATER USER	Record in Table No.	MONTHLY DIVERSION IN ACRE - FEET												Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
<u>Contra Costa County Water District</u> a														
Industrial and Municipal		4402	3177	2919	2972	2646	3028	2831	3678	4863	6607	8384	7052	52553
Agricultural		160	33	19	34	1	33	14	63	1132	157	1143	428	-636
Total acre-feet		4562	3206	2938	3006	2647	3061	2845	3741	5995	8178	9530	7480	57189
Average cubic feet per second		74	54	48	49	48	50	48	61	101	133	155	126	79
Monthly use in percent of seasonal		8.0	5.6	5.1	5.2	4.6	5.4	5.0	6.5	10.5	14.3	16.7	13.1	

TABLE 165
EXPORTATIONS FROM SACRAMENTO-SAN JOAQUIN DELTA
October 1962 through September 1963

WATER USER	Record in Table No.	MONTHLY DIVERSION IN ACRE - FEET												Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
<u>CACHE SLOUGH</u>														
<u>City of Vallejo</u> b														
Total acre-feet		968	887	757	844	601	619	448	778	1200	1075	1400	1120	1174
Average cubic feet per second		16	14	12	14	11	10	8	13	20	25	34	19	15
Monthly use in percent of seasonal		8.6	7.5	6.7	7.6	5.4	5.5	4.0	7.0	10.7	13.7	13.1	10.1	
<u>OLD RIVER</u>														
<u>Contra Costa Canal</u> a														
Total acre-feet		5108	3455	3178	3231	2902	3293	3516	4042	6799	5811	10247	6047	62623
Average cubic feet per second		63	58	52	52	52	54	59	66	114	143	167	135	86
Monthly use in percent of seasonal		8.2	5.8	5.1	5.2	4.6	5.3	5.6	6.4	10.8	14.1	16.4	12.8	
<u>Delta Mendota Canal</u> a														
Total acre-feet		82950	44426	344	27951	42365	108776	69612	166514	204046	349328	127411	119549	134357
Average cubic feet per second		1346	747	6	455	763	1769	1172	2738	3429	4055	3698	2014	1856
Monthly use in percent of seasonal		6.2	7.3	0.0	2.1	3.1	8.1	5.2	12.4	15.2	18.6	16.9	5.9	

TABLE 166
EXPORTATIONS FROM PUTAH CREEK
October 1962 through September 1963

WATER USER	Record in Table No.	MONTHLY DIVERSION IN ACRE - FEET												Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
<u>Putah South Canal</u> a														
Total acre-feet		72	346	8	524	11	619	45	891	1195	24698	11100	561	868
Average cubic feet per second		44	41	0	62	0	20	6	145	256	42	128	36	134
Monthly use in percent of seasonal		0.8	4.4	0	0.8	0	0.6	0.5	9.2	11.9	25.5	22.1	16.1	

a Data furnished by U. S. Bureau of Reclamation
b Data furnished by City of Vallejo.

Tables 167-278
DAILY TIDAL AND STAGE

TABLE 167

DAILY MEAN GAGE HEIGHT

BIG SAGE RESERVOIR NEAR ALTURAS

STATION NO	WATER YEAR
A11810	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	6.06	11.00	11.05	11.34	12.12	13.09	13.11	14.66	14.61	13.83	12.68	11.53	1
2	6.00	11.00	11.07	11.35	12.40	13.11	13.14	14.65	14.58	13.81	12.63	11.50	2
3	5.98	10.99	11.11	11.36	12.57	13.09	13.17	14.65	14.53	13.79	12.59	11.47	3
4	5.96	10.98	11.13	11.36	12.66	13.07	13.19	14.63	14.51	13.74	12.54	11.45	4
5	5.96	11.00	11.12	11.35	12.72	13.06	13.22	14.61	14.47	13.70	12.50	11.43	5
6	5.95	10.99	11.13	11.34	12.75	13.06	13.36	14.62	14.44	13.67	12.46	11.42	6
7	5.93	11.00	11.13	11.35	12.77	13.07	13.55	14.65	14.42	13.63	12.43	11.40	7
8	5.92	10.99	11.15	11.35	12.80	13.07	13.68	14.66	14.40	13.60	12.38	11.37	8
9	5.92	11.00	11.15	11.35	12.81	13.07	13.72	14.71	14.40	13.59	12.37	11.34	9
10	6.03	10.99	11.14	11.34	12.82	13.07	13.73	14.70	14.35	13.56	12.33	11.33	10
11	6.16	10.99	11.13	11.32E	12.83	13.08	13.73	14.72	14.31	13.52	12.31	11.29	11
12	7.19	11.00	11.12	11.32E	12.83	13.04	13.73	14.70	14.31	13.47	12.27	11.25	12
13	8.75	11.00	11.13	11.32E	12.84	13.01	13.73	14.68	14.28	13.44	12.24	11.25	13
14	10.40	11.00	11.14	11.32E	12.84	13.03	13.74	14.69	14.26	13.41	12.20	11.22	14
15	10.80	11.00	11.14	11.32E	12.84	13.03	13.81	14.70	14.23	13.38	12.16	11.20	15
16	10.89	10.98	11.21	11.35E	12.87	13.04	13.80	14.69	14.21	13.34	12.13	11.18	16
17	10.94	10.98	11.28	11.35E	12.88	13.07	13.87	14.68	14.17	13.31	12.08	11.15	17
18	10.97	11.00	11.32	11.33E	12.89	13.06	13.95	14.67	14.14	13.28	12.02	11.13	18
19	10.99	10.98	11.34	11.33E	12.91	13.06	14.01	14.67	14.10	13.23	11.97	11.12	19
20	11.01	10.98	11.36	11.33E	12.96	13.06	14.10	14.67	14.08	13.20	11.92	11.11	20
21	11.02	10.97	11.36	11.33E	13.05	13.04	14.21	14.67	14.06	13.17	11.87	11.09	21
22	11.02	10.98	11.36	11.33E	13.06	13.03	14.31	14.69	14.04	13.14	11.81	11.06	22
23	11.03	10.96	11.37	11.33E	13.07	13.03	14.36	14.70	14.02	13.09	11.75	11.04	23
24	11.04	10.97	11.37	11.33E	13.08	13.04	14.40	14.69	14.00	13.07	11.71	11.01	24
25	11.04	10.96	11.36	11.33E	13.08	13.03	14.42	14.67	13.97	13.02	11.68	10.99	25
26	11.03	10.98	11.35	11.33E	13.10	13.03	14.53	14.65	13.94	12.97	11.65	10.98	26
27	11.03	11.02	11.34	11.33E	13.11	12.98	14.61	14.63	13.91	12.92	11.62	10.97	27
28	11.02	11.04	11.34	11.33E	13.09	13.05	14.64	14.61	13.90	12.88	11.60	10.96	28
29	11.02	11.03	11.34	11.33E	13.06	13.06	14.63	14.61	13.87	12.83	11.59	10.95	29
30	11.03	11.03	11.34	11.33E	13.04	13.04	14.66	14.61	13.85	12.78	11.57	10.93	30
31	11.03		11.35	11.55		13.12		14.61		12.73	11.55		31

E - Estimated
 NR - No Record
 NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-22-63	1340	14.81									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41 34 42	126 37 33	SE 7 43N 12E		24.40	2/27/58	OCT 57-DATE	1957			0.00	LOCAL

Station located at reservoir control structure, 150 ft. N of Big Sage Dam, 8 mi. NW of Alturas. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 168
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT KESWICK

STATION NO	WATER YEAR
A21010	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	10.7	10.8	10.8	13.8	13.0	15.0	8.3	11.7	11.9	13.4	13.7	13.1	1
2	10.7	10.3	10.9	13.8	13.0	15.0	8.2	11.7	12.0	13.4	13.7	13.1	2
3	10.6	10.3	11.2	13.5	13.0	14.6	8.2	11.7	12.0	13.4	13.7	13.1	3
4	10.5	10.1	10.8	13.3	13.0	12.7	8.2	11.7	12.0	13.4	13.7	13.2	4
5	10.4	9.9	10.8	13.2	13.2	10.5	8.3	11.7	12.0	13.4	13.7	13.2	5
6	10.4	9.0	11.0	13.2	13.9	7.7	9.0	11.7	12.0	13.4	13.7	13.2	6
7	10.4	9.6	11.5	13.0	14.4	7.1	9.4	12.0	12.0	13.4	13.7	13.2	7
8	10.4	9.6	11.9	12.7	15.0	7.1	12.0	13.7	12.0	13.4	13.7	13.2	8
9	10.4	9.6	11.9	12.4	15.5	7.1	16.0	15.9	12.0	13.4	13.7	13.2	9
10	11.6	9.5	11.9	12.0	15.5	7.1	24.4	16.0	12.0	13.4	13.7	13.2	10
11	12.6	9.6	11.9	11.7	15.6	7.1	25.8	15.9	12.0	13.4	13.7	13.2	11
12	13.2	9.5	11.9	11.3	15.0	7.1	24.7	15.9	12.0	13.4	13.7	13.2	12
13	12.9	9.5	11.9	11.1	15.2	7.1	25.2	15.9	12.0	13.4	13.7	13.2	13
14	11.3	9.6	11.9	11.1	15.0	7.1	23.8	15.9	12.1	13.4	13.7	13.2	14
15	10.5	9.6	12.3	11.0	15.5	7.1	24.1	15.7	12.3	13.4	13.7	13.2	15
16	10.5	9.6	12.4	10.8	15.5	7.1	24.8	15.6	12.3	13.4	13.7	13.2	16
17	10.5	9.5	13.0	10.7	15.6	7.2	22.2	15.6	12.3	13.4	13.7	13.2	17
18	10.5	9.6	13.9	10.7	15.4	7.2	19.5	15.5	12.3	13.4	13.7	13.2	18
19	10.6	9.6	14.1	10.6	14.4	7.2	21.4	15.5	12.3	13.4	13.7	13.2	19
20	10.8	9.6	14.1	10.5	13.4	7.8	20.5	15.4	12.3	13.4	13.7	13.2	20
21	10.8	9.6	14.1	10.5	13.4	8.2	18.8	14.6	12.5	13.4	13.4	12.9	21
22	10.8	9.6	14.1	10.5	14.9	8.2	17.8	14.2	12.6	13.4	13.4	12.9	22
23	10.8	9.6	14.1	10.5	14.9	8.3	16.2	13.9	12.6	13.4	13.4	12.9	23
24	10.8	9.6	14.1	10.5	14.9	8.2	15.0	13.3	12.7	13.4	13.4	12.9	24
25	10.8	9.6	14.1	10.5	14.9	8.2	14.3	12.6	12.7	13.4	13.4	12.9	25
26	10.8	10.2	14.1	10.5	14.9	8.2	13.1	12.7	12.7	13.4	13.4	12.9	26
27	10.8	10.5	14.1	10.5	14.9	8.6	12.5	12.7	13.0	13.4	13.1	12.8	27
28	10.8	10.8	14.1	10.5	14.9	9.4	12.5	12.7	13.0	13.4	13.1	12.8	28
29	10.8	10.8	14.1	10.5		10.0	12.4	12.6	13.0	13.4	13.1	12.8	29
30	10.8	10.8	14.1	10.5		9.8	12.3	11.9	13.1	13.4	13.1	12.8	30
31	10.9		14.1	12.2		8.3		12.0		13.4	13.1		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	1630	13.89	4-10-63	2000	26.0						
1-31-63	1500	14.09	4-15-63	2115	26.0						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 36 10	122 26 35	NW28 32N 5W	186000	47.2	2/28/40	OCT 38-DATE	OCT 38-DATE	1938	1939	500.01	USCGS
								1939	1942	495.01	USCGS
								1942		479.81	USCGS

Station located 0.6 mi. below Keswick Dam, 1.5 mi. below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS. Drainage area, excluding Goose Lake basin, is approximately 6,710 sq. mi.

TABLE 169

DAILY MEAN GAGE HEIGHT

CLEAR CREEK NEAR IGO

STATION NO	WATER YEAR
A36130	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	2.3	2.6	3.1	3.0	6.0	3.4	4.7	4.4	2.8	2.8	2.5	4.4	1
2	2.3	2.6	4.2	3.0	5.2	3.4	4.5	4.0	2.8	2.8	2.5	4.4	2
3	2.3	2.6	4.8	3.0	5.3	3.4	4.3	2.8	2.8	2.8	2.5	4.4	3
4	2.3	2.6	4.0	3.0	5.0	3.4	4.2	2.9	2.8	2.8	2.5	4.4	4
5	2.3	2.6	3.7	2.9	4.7	3.3	4.7	2.9	2.8	2.8	2.5	4.4	5
6	2.3	2.6	3.5	2.9	4.4	3.3	5.8	2.9	2.8	2.8	2.5	4.5	6
7	2.3	2.6	3.4	2.9	4.2	3.3	5.6	3.0	2.8	2.8	2.5	4.7	7
8	2.3	NR	3.2	2.9	4.1	3.3	5.3	3.0	2.8	2.8	2.5	5.0	8
9	2.3	NR	3.2	2.9	4.1	3.3	5.3	2.9	2.8	2.8	2.5	5.1	9
10	3.9	NR	3.1	2.9	4.6	3.2	5.5	3.0	2.8	2.8	2.5	5.1	10
11	3.5	NR	3.1	2.8	4.6	3.2	5.3	3.0	2.8	2.8	2.5	5.2	11
12	5.0	NR	3.0	2.8	5.1	3.2	5.8	3.0	2.8	2.8	2.4	5.2	12
13	6.2	NR	3.1	2.8	5.7	3.2	6.4	3.0	2.8	2.8	2.5	5.2	13
14	4.4	NR	3.1	2.8	5.1	3.2	7.8	2.9	2.8	2.8	2.6	5.2	14
15	3.7	NR	4.4	2.8	4.8	3.2	7.8	2.9	2.8	2.8	2.6	5.2	15
16	3.4	NR	4.4	2.8	4.6	3.4	6.7	2.9	2.8	2.8	2.5	5.2	16
17	3.1	NR	4.3	2.8	4.4	3.3	6.1	2.9	2.8	2.8	2.4	5.2	17
18	3.0	NR	4.0	2.8	4.2	3.2	5.8	2.9	2.8	2.8	2.8	5.2	18
19	2.9	NR	3.8	2.8	4.1	3.2	5.6	2.9	2.8	2.8	3.2	5.2	19
20	2.9	NR	3.7	2.8	4.0	3.2	5.3	2.9	2.8	2.7	3.3	5.2	20
21	2.8	NR	3.5	2.8	3.9	3.2	5.1	2.9	2.8	2.6	3.3	5.2	21
22	2.8	NR	3.4	2.8	3.8	3.2	5.0	2.8	2.8	2.6	3.3	5.2	22
23	2.8	NR	3.3	2.8	3.8	3.9	4.8	2.8	2.8	2.6	3.3	5.2	23
24	2.8	NR	3.3	2.8	3.7	3.7	4.7	2.8	2.8	2.6	3.3	5.2	24
25	2.8	NR	3.2	2.8	3.6	3.5	4.8	2.8	2.8	2.6	3.3	5.2	25
26	2.7	NR	3.2	2.7	3.6	3.5	4.6	2.8	2.8	2.6	3.3	5.2	26
27	2.7	3.8	3.1	2.7	3.5	6.2	4.5	2.8	2.8	2.6	3.3	5.2	27
28	2.7	3.5	3.1	2.7	3.5	6.1	4.4	2.8	2.8	2.6	3.5	5.2	28
29	2.7	3.2	3.1	2.8		5.5	4.4	2.8	2.8	2.6	4.1	5.2	29
30	2.7	3.1	3.0	3.4		5.3	4.5	2.8	2.8	2.5	4.4	5.2	30
31	2.7		3.0	6.3		5.0		2.8		2.5	4.4		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	0830	7.54	1-31-63	1445	7.72	3-27-63	1830	7.99	4-14-63	2330	8.59
12-2-62	2400	5.28	2-12-63	2400	6.14	4-6-63	0200	6.17			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 30 50	122 31 20	NE27 31N 6W	24500	13.75	12/21/55	OCT 40-DATE	OCT 40-DATE				

Station located at highway bridge on Redding-Igo road, 1.0 mi NE of Igo, 8 mi. SW of Redding. Tributary to Sacramento River. Records furnished by USGS. Drainage area is 228 sq. mi.

TABLE 170

DAILY MEAN GAGE HEIGHT

COTTONWOOD CREEK NEAR COTTONWOOD

STATION NO	WATER YEAR
A03520	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	1.2	1.2	1.9	1.6	9.7	2.4	4.6	3.5	2.0	1.0	4.0	3.9	1
2	1.2	1.1	2.0	1.6	7.1	2.4	4.1	3.4	1.9	0.9	4.0	3.9	2
3	1.2	1.1	5.6	1.5	6.4	2.3	3.0	3.4	1.8	0.4	4.0	3.9	3
4	1.2	1.1	4.0	1.5	5.6	2.3	3.7	3.2	1.9	0.9	4.0	3.9	4
5	1.1	1.1	3.3	1.5	5.1	2.2	4.2	3.1	1.7	0.4	4.0	3.9	5
6	1.0	1.1	2.9	1.4	4.6	2.2	6.7	3.2	1.7	0.8	4.0	3.9	6
7	1.0	1.0	2.5	1.4	4.4	2.2	6.3	3.3	1.6	0.2	4.0	4.0	7
8	1.1	1.0	2.3	1.4	4.1	2.1	5.9	3.3	1.6	0.9	3.9	3.9	8
9	1.1	1.0	2.1	1.3	4.6	2.1	6.0	3.3	1.5	0.9	3.9	3.9	9
10	1.5	1.0	2.0	1.3	8.2	2.1	5.7	3.2	1.4	0.8	4.0	3.9	10
11	2.0	1.0	1.9	1.3	6.6	2.0	5.2	3.2	1.4	0.8	4.0	3.9	11
12	NR	1.1	1.8	1.2	6.1	1.9	4.8	3.1	1.3	0.8	4.0	3.9	12
13	NR	1.1	1.8	1.1	6.8	1.9	5.3	2.8	1.3	0.7	4.0	4.0	13
14	4.1	1.1	2.0	1.1	5.8	1.9	8.0	2.7	1.2	0.7	4.0	4.0	14
15	3.5	1.1	2.9	1.3	5.2	1.9	7.3	NR	1.2	0.7	4.0	3.9	15
16	2.9	1.0	4.5	1.2	4.8	2.1	6.4	NR	1.2	0.6	4.0	3.9	16
17	2.5	1.0	4.6	1.2	4.9	2.2	5.9	NR	1.2	0.6	3.9	4.0	17
18	2.3	1.0	3.7	1.2	4.2	2.0	5.4	NR	1.2	NR	3.9	4.0	18
19	2.1	1.0	3.2	1.1	3.9	1.9	5.7	NR	1.2	NR	3.9	4.0	19
20	2.0	1.0	2.9	1.1	3.6	1.9	5.0	NR	1.2	NR	3.8	4.0	20
21	1.9	1.0	2.6	1.1	3.3	1.9	4.8	NR	1.1	NR	3.8	3.9	21
22	1.8	1.0	2.4	1.1	3.1	1.9	4.8	2.6	1.1	NR	3.9	3.9	22
23	1.6	1.0	2.3	1.1	NR	2.4	4.3	2.5	1.1	NR	3.9	4.0	23
24	1.5	1.0	2.1	1.1	NR	2.6	4.1	2.5	1.1	NP	3.9	4.0	24
25	1.4	1.0	2.1	1.1	NR	2.2	4.1	2.4	1.0	NR	3.9	4.0	25
26	1.4	1.9	2.0	1.1	NR	2.1	4.5	2.3	1.0	NR	3.9	4.0	26
27	1.3	4.2	1.8	1.1	NR	5.1	3.9	2.2	1.0	4.1	4.0	4.0	27
28	1.3	2.9	1.8	1.1	NR	7.2	3.7	2.1	1.0	4.1	3.9	3.9	28
29	1.3	2.4	1.7	1.1		5.6	3.6	2.1	1.0	4.1	3.9	3.9	29
30	1.2	2.0	1.7	2.3		5.2	3.6	2.1	1.0	4.0	3.9	3.8	30
31	1.2		1.6	8.0		5.0		2.0		4.0	3.9		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62		7.32	1-31-63	2030	12.28	3-27-63	2300	9.45	4-14-63	1000	9.42
12-3-62	0600	6.59	2-10-63	1200	9.08	4-9-63	0100	7.44			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 23 10	122 14 20	NE 7 29N 3W	52300	15.4	3/1/41	OCT 40-DATE	SEP 40-DATE				

Station located 2 mi. E of Cottonwood, 2.4 mi. above mouth. Tributary to Sacramento River. At times during irrigation season, Cottonwood Creek receives water above station from Sacramento River by way of Anderson-Cottonwood Canal. Records furnished by USGS. Drainage area is 945 sq. mi. Station relocated July 19, 1963, at site 250 ft. downstream at datum 3.59 ft. lower.

TABLE 171
DAILY MEAN GAGE HEIGHT
BATTLE CREEK NEAR COTTONWOOD

STATION NO	WATER YEAR
A47110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	3.9	4.2	4.2	4.3	6.9	4.4	4.6	5.0	4.8	4.2	4.0	4.0	1
2	3.9	4.2	4.2	4.3	5.7	4.4	4.5	5.0	4.7	4.2	4.0	3.9	2
3	4.0	4.2	5.2	4.2	5.8	4.4	4.5	5.2	4.7	4.2	4.0	3.9	3
4	4.0	4.1	4.7	4.2	5.5	4.3	4.4	5.1	4.6	4.2	4.0	4.0	4
5	4.0	4.1	4.5	4.2	5.3	4.3	4.5	5.1	4.6	4.2	4.0	4.0	5
6	3.9	4.1	4.4	4.2	5.1	4.3	6.0	5.1	4.6	4.2	4.0	4.0	6
7	3.9	4.1	4.4	4.2	4.9	4.3	6.5	5.2	4.5	4.2	4.0	4.0	7
8	4.0	4.1	4.3	4.2	4.9	4.3	5.9	5.3	4.5	4.2	4.0	4.0	8
9	4.0	4.1	4.3	4.2	4.9	4.3	5.5	5.2	4.4	4.2	4.0	4.0	9
10	4.1	4.2	4.3	4.2	4.8	4.3	5.7	5.1	4.5	4.2	4.0	4.0	10
11	4.6	4.2	4.3	4.2	4.8	4.3	5.5	5.1	4.4	4.1	4.0	4.0	11
12	8.4	4.2	4.2	4.1	4.8	4.3	5.2	5.0	4.4	4.1	4.0	4.0	12
13	7.2	4.2	4.2	4.1	5.0	4.2	5.5	5.0	4.4	4.1	4.0	4.0	13
14	6.0	4.1	4.3	4.2	4.8	4.2	7.2	5.0	4.5	4.2	4.0	4.0	14
15	5.0	4.1	4.6	4.2	4.7	4.3	6.5	4.9	4.5	4.1	4.0	4.0	15
16	4.6	4.1	5.2	4.2	4.6	4.3	5.7	4.9	4.5	4.1	4.0	4.0	16
17	4.5	4.1	8.0	4.2	4.8	4.3	5.4	5.0	4.5	4.1	3.9	4.0	17
18	4.4	4.1	5.7	4.1	4.6	4.3	5.2	5.0	4.5	4.1	4.0	4.0	18
19	4.3	4.1	5.0	4.1	4.6	4.3	5.2	5.0	4.4	4.1	4.0	4.0	19
20	4.3	4.1	4.8	4.1	4.6	4.3	5.1	5.1	4.4	4.0	4.0	4.0	20
21	4.3	4.1	4.6	4.1	4.6	4.3	5.0	5.1	4.4	4.0	4.0	4.0	21
22	4.3	4.1	4.5	4.1	4.5	4.3	5.2	5.1	4.4	4.0	4.0	4.0	22
23	4.2	4.1	4.5	4.1	4.5	4.3	5.0	5.0	4.4	4.0	4.0	4.0	23
24	4.2	4.1	4.4	4.1	4.5	4.3	5.0	5.0	4.3	4.0	4.0	4.0	24
25	4.2	4.1	4.4	4.1	4.4	4.3	5.0	5.0	4.3	4.0	4.0	4.0	25
26	4.2	4.2	4.4	4.1	4.4	4.3	4.9	4.9	4.3	4.0	4.0	4.0	26
27	4.2	4.9	4.3	4.1	4.4	4.5	4.9	4.9	4.3	4.0	4.0	4.0	27
28	4.2	4.4	4.3	4.1	4.4	5.4	4.9	4.8	4.3	4.0	4.0	4.0	28
29	4.2	4.3	4.3	4.2	4.8	4.9	4.9	4.8	4.3	4.0	4.0	4.0	29
30	4.2	4.2	4.3	6.	4.6	4.9	4.9	4.8	4.3	4.0	4.0	4.0	30
31	4.2	4.3	4.3	7.4	4.6	4.9	4.9	4.9	4.0	4.0	4.0	4.0	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	1800	11.31	1-31-63	1400	8.72	4-7-63	0700	6.84			
12-17-62	1600	8.83	3-28-63	0130	6.00	4-14-63	1030	9.17			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 23 50	123 08 05	NW 6 29N 2W	12800	11.85	2/6/42	OCT 40-DATE	OCT 40-DATE	1940		421.47	USCGS

Station located 6.3 mi. above mouth, 7.6 mi. E of Cottonwood. Tributary to Sacramento River. From 50 c.f.s. to 90 c.f.s. bypasses station through Coleman Fish Hatchery. Flow regulated by small powerplants and reservoirs above station. Records furnished by USGS. Drainage area is 362 sq. mi.

TABLE 172
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER NEAR RED BLUFF

STATION NO	WATER YEAR
A02780	1963

in feet

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.0	2.2	2.6	4.2	13.0	4.9	3.7	4.1	3.2	3.4	3.4	3.5	1
2	1.9	2.1	2.7	4.1	8.1	4.9	3.0	4.0	3.2	3.5	3.5	3.5	2
3	1.9	2.0	6.5	4.0	7.2	4.8	2.6	3.9	3.1	3.5	3.6	3.5	3
4	1.9	1.9	4.1	3.9	6.3	4.2	2.5	3.8	3.1	3.5	3.6	3.5	4
5	1.8	1.9	3.4	3.8	5.8	3.2	2.6	3.7	3.1	3.5	3.6	3.5	5
6	1.8	1.9	3.1	3.7	5.4	2.2	9.0	3.7	3.1	3.5	3.6	3.5	6
7	1.8	1.9	3.1	3.7	5.6	1.4	9.3	3.8	3.0	3.5	3.5	3.6	7
8	1.8	1.9	3.3	3.5	5.6	1.4	6.5	4.7	3.0	3.5	3.6	3.6	8
9	1.8	1.9	3.3	3.4	5.8	1.4	8.2	5.8	3.0	3.5	3.6	3.7	9
10	2.6	1.9	3.2	3.2	7.6	1.3	10.4	5.8	3.0	3.5	3.6	3.7	10
11	3.7	1.9	3.2	3.0	7.0	1.3	13.9	5.9	3.0	3.4	3.6	3.8	11
12	10.2	1.9	3.2	2.8	6.3	1.2	13.0	5.8	2.9	3.4	3.6	3.8	12
13	8.9	1.9	3.2	2.6	7.9	1.2	13.6	5.6	2.9	3.5	3.6	3.8	13
14	6.0	1.9	3.2	2.6	7.0	1.2	15.6	5.6	2.9	3.5	3.6	3.8	14
15	3.5	1.8	4.2	2.6	6.4	1.2	15.2	5.4	3.1	3.5	3.6	3.8	15
16	2.9	1.8	6.6	2.5	6.1	1.3	14.5	5.3	3.1	3.4	3.6	3.8	16
17	2.6	1.8	9.6	2.5	6.4	1.5	12.6	5.3	3.1	3.4	3.6	3.8	17
18	2.5	1.8	7.1	2.4	6.0	1.4	10.0	5.2	3.1	3.4	3.6	3.8	18
19	2.4	1.8	5.6	2.4	5.5	1.3	10.9	5.2	3.1	3.4	3.6	3.8	19
20	2.4	1.8	5.2	2.3	4.9	1.2	10.6	5.2	3.0	3.4	3.6	3.8	20
21	2.4	1.8	4.9	2.3	4.5	1.2	8.8	4.9	3.0	3.4	3.5	3.7	21
22	2.4	1.8	4.8	2.3	5.0	1.2	8.7	4.7	3.2	3.4	3.5	3.7	22
23	2.4	1.8	4.6	2.3	5.2	1.5	7.3	4.4	3.2	3.4	3.5	3.7	23
24	2.3	1.8	4.6	2.3	5.1	2.0	6.4	4.2	3.2	3.4	3.5	3.6	24
25	2.3	1.8	4.5	2.3	5.1	1.6	5.8	3.9	3.2	3.4	3.5	3.6	25
26	2.2	2.2	4.4	2.3	5.0	1.5	5.6	3.7	3.2	3.4	3.5	3.6	26
27	2.3	4.2	4.4	2.3	5.0	2.6	4.9	3.6	3.3	3.4	3.4	3.6	27
28	2.3	3.1	4.4	2.3	5.0	7.8	4.6	3.6	3.4	3.4	3.3	3.6	28
29	2.2	2.8	4.3	2.3		5.1	4.6	3.6	3.3	3.4	3.3	3.6	29
30	2.2	2.7	4.3	4.7		4.4	4.1	3.4	3.3	3.4	3.5	3.6	30
31	2.2		4.3	10.4		4.6		3.2		3.4	3.5		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	0400	12.25	2-1-63	0200	17.16	4-6-63	1900	10.18	4-14-63	1700	17.33
12-17-62	1500	11.59	3-28-63	0500	9.75	4-11-63	0800	14.14	4-19-63	1200	12.10

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 13 55	122 10 50	SE34 28N 3W	291000	38.9	2 28/40	JAN 92-DATE	JAN 92-DATE	1902		253.18	USCGS

Station located at lower end of Iron Canyon, 0.5 mi. below Sevenmile Creek, 4.6 mi. NE of Red Bluff. Records prior to January 1902 at a site 16.2 mi. upstream. Records furnished by USGS. Drainage area, excluding Goose Lake basin, is approximately 9,300 sq. mi.

TABLE 173
DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT RED BLUFF

STATION NO	WATER YEAR
A02770	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	4.8	5.1	5.6	7.6	17.0	8.4	7.3	7.6	7.1	7.4	7.5	7.5	1
2	4.7	5.0	5.7	7.5	12.1	8.4	6.3	7.5	7.0	7.5	7.6	7.5	2
3	4.7	4.8	10.0	7.4	10.8	8.4	5.9	7.4	7.0	7.5	7.6	7.5	3
4	4.7	4.7	7.4	7.2	9.9	7.6	5.7	7.3	7.0	7.5	7.6	7.5	4
5	4.5	4.6	6.5	7.1	9.3	6.4	5.9	7.2	7.0	7.5	7.6	7.5	5
6	4.5	4.7	6.2	7.0	8.9	5.3	12.5	7.2	6.9	7.5	7.6	7.6	6
7	4.5	4.6	6.2	7.0	9.1	4.4	13.0	7.4	6.9	7.5	7.6	7.6	7
8	4.6	4.6	6.4	6.8	9.0	4.3	10.3	8.6	6.9	7.5	7.6	7.7	8
9	4.6	4.6	6.4	6.6	9.3	4.3	11.9	9.6	6.8	7.5	7.6	7.3	9
10	5.4	4.6	6.3	6.4	11.3	4.2	14.1	9.8	6.8	7.5	7.6	7.2	10
11	6.8	4.7	6.3	6.2	10.7	4.2	17.5	10.0	6.8	7.5	7.6	7.3	11
12	14.0	4.6	6.2	5.9	10.0	4.1	16.6	9.8	6.8	7.5	7.6	7.3	12
13	13.0	4.7	6.2	5.7	11.6	4.2	17.1	9.7	6.8	7.5	7.6	7.4	13
14	9.7	4.6	6.2	5.7	10.6	4.3	19.2	9.7	6.8	7.5	7.6	7.4	14
15	6.7	4.6	7.1	5.8	10.0	4.5	18.5	9.6	6.9	7.5	7.6	7.4	15
16	5.9	4.6	10.3	5.6	9.7	4.7	17.9	9.5	7.0	7.5	7.6	7.4	16
17	5.6	4.6	13.2	5.5	10.0	4.9	16.0	9.5	7.0	7.5	7.6	7.4	17
18	5.4	4.6	11.1	5.5	9.6	4.8	13.5	9.5	6.9	7.5	7.6	7.4	18
19	5.3	4.6	9.2	5.4	9.0	4.8	14.5	9.5	6.9	7.5	7.6	7.4	19
20	5.4	4.6	8.6	5.3	8.4	4.7	14.0	9.5	6.9	7.5	7.7	7.4	20
21	5.4	4.6	8.4	5.3	8.0	4.7	12.3	9.3	6.9	7.5	7.7	7.3	21
22	5.3	4.6	8.2	5.3	8.4	4.7	12.4	9.0	7.1	7.5	7.5	7.2	22
23	5.3	4.6	8.1	5.3	8.7	5.0	10.9	8.6	7.1	7.5	7.5	7.2	23
24	5.2	4.6	8.0	5.3	8.6	5.6	10.0	8.4	7.1	7.4	7.5	7.2	24
25	5.2	4.6	7.9	5.3	8.6	5.0	9.3	8.0	7.1	7.4	7.5	7.2	25
26	5.2	5.0	7.8	5.3	8.5	4.9	9.1	7.7	7.1	7.4	7.5	7.2	26
27	5.2	7.4	7.8	5.3	8.5	6.4	8.4	7.7	7.2	7.4	7.4	7.2	27
28	5.2	6.2	7.8	5.3	8.4	11.9	8.1	7.6	7.3	7.4	7.3	7.1	28
29	5.1	5.8	7.7	5.3	8.9	8.9	8.0	7.6	7.3	7.4	7.3	7.1	29
30	5.1	5.7	7.7	7.8	8.0	8.0	7.6	7.4	7.3	7.4	7.5	7.1	30
31	5.1	7.7	7.7	14.3	8.2	8.2	7.2	7.2	7.4	7.4	7.5	7.1	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	0500	16.19	2- 1-63	0300	20.55	4- 6-63	2000	14.3	4-14-63	1700	20.77
12-17-63	1700	15.49	3-28-63	0600	13.73	4-11-63	0800	17.8	4-19-63	1200	15.47

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 10 43	122 13 45	SW20 27N 3W		32.2	2/28/40		1878-DATE	1957	1957	236.89 236.60	USCGS USCGS

Station located at E end of U. S. Highway 99E bridge, immediately E of Red Bluff. Records furnished by USGS.

TABLE 174

DAILY MEAN GAGE HEIGHT

ANTELOPE CREEK NEAR RED BLUFF

STATION NO	WATER YEAR
A45110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.8	2.7	2.9	3.0	6.8	3.0	4.5	3.8	3.2	2.8	2.6	2.6	1
2	2.8	2.7	2.9	3.0	5.4	3.0	4.1	3.8	3.2	2.8	2.6	2.6	2
3	2.8	2.7	4.2	3.0	5.5	3.0	4.0	4.0	3.1	2.7	2.6	2.6	3
4	2.8	2.7	3.9	3.0	5.0	3.0	3.8	3.9	3.1	2.7	2.6	2.6	4
5	2.8	2.7	3.5	2.9	4.6	3.0	3.8	3.9	3.1	2.7	2.6	2.6	5
6	2.8	2.7	3.3	2.9	4.3	3.0	5.5	4.0	3.0	2.7	2.6	2.6	6
7	2.8	2.7	3.2	2.9	4.1	3.0	6.6	4.1	3.0	2.7	2.6	2.6	7
8	2.8	2.7	3.1	2.9	4.0	3.0	5.8	4.3	3.0	2.7	2.6	2.6	8
9	2.8	2.7	3.0	2.9	3.9	3.0	5.3	4.2	3.0	2.7	2.6	2.6	9
10	2.9	2.8	3.0	2.9	3.8	2.9	6.5	4.1	3.0	2.7	2.6	2.6	10
11	3.3	2.7	2.9	2.8	3.8	2.9	6.1	4.1	3.0	2.7	2.6	2.6	11
12	8.6	2.7	2.9	2.8	3.8	2.9	5.3	4.1	2.9	2.7	2.6	2.6	12
13	7.1	2.7	2.9	2.8	4.2	2.9	5.5	4.0	2.9	2.7	2.6	2.6	13
14	6.0	2.7	2.9	2.8	3.9	2.9	8.0	4.0	2.9	2.7	2.6	2.6	14
15	4.3	2.7	3.5	2.8	3.8	2.9	6.8	3.9	2.9	2.7	2.6	2.6	15
16	3.7	2.7	5.1	2.8	3.7	3.1	5.9	3.9	2.9	2.7	2.6	2.6	16
17	3.4	2.7	8.7	2.8	3.7	3.0	5.3	3.9	2.9	2.7	2.6	2.6	17
18	3.2	2.7	6.1	2.8	3.6	3.0	4.9	3.9	2.8	2.7	2.6	2.6	18
19	3.1	2.7	4.9	2.8	3.5	3.0	5.1	3.9	2.8	2.7	2.6	2.6	19
20	3.0	2.7	4.3	2.8	3.4	3.0	4.8	4.0	2.8	2.7	2.6	2.6	20
21	2.9	2.7	4.0	2.8	3.4	3.0	4.5	4.0	2.8	2.7	2.6	2.6	21
22	2.9	2.7	3.8	2.8	3.3	3.0	4.3	3.9	2.8	2.7	2.6	2.6	22
23	2.8	2.7	3.6	2.8	3.3	3.4	4.2	3.8	2.8	2.6	2.6	2.6	23
24	2.8	2.7	3.5	2.8	3.2	3.5	4.0	3.7	2.8	2.6	2.6	2.6	24
25	2.8	2.7	3.4	2.8	3.2	3.3	3.9	3.7	2.8	2.6	2.6	2.6	25
26	2.8	2.8	3.3	2.8	3.2	3.2	3.9	3.6	2.8	2.6	2.6	2.6	26
27	2.8	4.1	3.2	2.8	3.1	4.3	3.9	3.5	2.8	2.6	2.6	2.6	27
28	2.8	3.3	3.2	2.8	3.1	6.8	3.8	3.4	2.8	2.6	2.6	2.6	28
29	2.7	3.0	3.1	2.8		5.2	3.7	3.4	2.8	2.6	2.6	2.6	29
30	2.7	3.0	3.1	5.8		4.6	3.7	3.4	2.8	2.6	2.6	2.6	30
31	2.7		3.1	8.0		4.5		3.3		2.6	2.6		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	1930	13.96	1-31-63	1400	9.67	4-10-63	2200	8.13			
12-17-62	1600	9.86	3-28-63	0100	8.86	4-14-63	0900	11.44			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 12 10	122 07 05		11500	12.43	2/22/56	OCT 40-DATE	OCT 40-DATE				

Station located 1.8 mi. above diversion dam of Los Molinos Mutual Water Co., 6.5 mi. E of Red Bluff. Tributary to Sacramento River. Small diversion above station during October to June each year. Records furnished by USGS. Drainage area is 124 sq. mi.

TABLE 175

DAILY MEAN GAGE HEIGHT

MILL CREEK NEAR LOS MOLINOS

STATION NO	WATER YEAR
A44110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	OATE
1	1.2	1.6	1.9	1.9	7.5	2.0	3.1	3.2	2.9	1.9	1.5	1.4	1
2	1.2	1.6	2.3	1.8	5.1	2.0	2.8	3.3	2.8	1.9	1.5	1.4	2
3	1.2	1.6	4.5	1.8	5.3	2.0	2.6	3.5	2.7	1.8	1.5	1.4	3
4	1.2	1.6	3.3	1.8	4.6	2.0	2.5	3.3	2.6	1.8	1.5	1.4	4
5	1.2	1.6	2.8	1.8	4.2	1.9	2.8	3.3	2.5	1.8	1.5	1.4	5
6	1.2	1.6	2.5	1.8	3.7	1.9	6.0	3.3	2.5	1.8	1.5	1.4	6
7	1.2	1.6	2.3	1.7	3.4	1.9	6.2	3.5	2.4	1.8	1.5	1.4	7
8	1.2	1.6	2.2	1.7	3.3	1.9	5.0	3.7	2.4	1.8	1.5	1.4	8
9	1.2	1.6	2.1	1.7	3.2	1.9	4.4	3.3	2.4	1.8	1.5	1.4	9
10	2.4	1.8	2.0	1.7	3.0	1.9	4.5	3.1	2.5	1.8	1.5	1.4	10
11	3.1	1.7	2.0	1.6	2.8	1.8	3.9	3.0	2.4	1.7	1.5	1.4	11
12	10.1	1.7	1.9	1.6	2.9	1.8	3.5	3.0	2.4	1.7	1.5	1.4	12
13	8.0	1.6	1.9	1.6	3.2	1.8	3.8	2.8	2.3	1.7	1.5	1.4	13
14	6.0	1.6	2.0	1.6	2.9	1.8	6.3	2.8	2.6	1.7	1.5	1.4	14
15	4.0	1.6	3.6	1.6	2.7	1.8	5.4	2.8	2.5	1.7	1.5	1.4	15
16	3.1	1.6	4.8	1.6	2.6	2.0	4.5	2.9	2.5	1.7	1.4	1.4	16
17	2.7	1.6	6.8	1.6	2.6	1.9	3.9	3.0	2.5	1.6	1.4	1.4	17
18	2.4	1.6	4.9	1.6	2.5	1.9	3.6	3.2	2.4	1.6	1.4	1.4	18
19	2.3	1.5	3.8	1.6	2.4	1.9	3.7	3.2	2.4	1.6	1.4	1.4	19
20	2.2	1.5	3.2	1.6	2.4	1.9	3.3	3.4	2.4	1.6	1.4	1.4	20
21	2.1	1.5	2.9	1.6	2.4	1.9	3.0	3.4	2.2	1.6	1.4	1.4	21
22	2.0	1.5	2.7	1.6	2.3	2.0	2.9	3.4	2.2	1.6	1.4	1.4	22
23	2.0	1.5	2.5	1.6	2.2	2.7	2.8	3.3	2.2	1.6	1.4	1.4	23
24	1.9	1.5	2.4	1.6	2.2	2.4	2.8	3.3	2.2	1.6	1.4	1.4	24
25	1.8	1.5	2.3	1.6	2.2	2.2	2.7	3.2	2.0	1.6	1.4	1.4	25
26	1.8	2.0	2.2	1.6	2.1	2.1	2.7	3.1	2.0	1.6	1.4	1.4	26
27	1.8	3.2	2.1	1.6	2.1	4.1	2.7	3.0	2.0	1.6	1.4	1.4	27
28	1.7	2.3	2.0	1.6	2.0	5.1	2.7	3.0	2.0	1.6	1.4	1.4	28
29	1.7	2.0	2.0	1.6		3.9	2.8	3.1	2.0	1.5	1.4	1.4	29
30	1.7	1.9	2.0	4.3		3.5	3.0	3.0	1.9	1.5	1.4	1.4	30
31	1.6		1.9	8.0		3.4		3.0		1.5	1.4		31

CREST STAGES

E - Estimated
 NR - No Record
 NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	1730	15.45	1-31-63	2000	11.19	4-7-63	0200	6.84			
12-17-62	1330	7.86	3-27-63	2130	8.19	4-14-63	0830	8.45			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 03 17	122 01 23	NW 6 25N 1W	23000	23.4	12/11/37	OCT 28-DATE	OCT 28-DATE				

Station located 5.5 mi. above mouth, 4.5 mi. NE of Los Molinos, Tributary to Sacramento River. Records furnished by USGS. Drainage area is 13⁴ sq. mi.

TABLE 17c
DAILY MEAN GAGE HEIGHT
MILL CREEK NEAR MOUTH

STATION NO	WATER YEAR
A04420	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	4.16	4.41	4.53	9.26	4.79	5.74	5.73	5.74	NR	NR	NR	1
2	NR	4.04	4.57	4.49	7.05	4.75	5.44	5.83	5.31	NR	NR	NR	2
3	NR	3.81	6.49	4.48	7.07	4.75	5.25	5.91	5.24	NR	NR	NR	3
4	NR	3.87	5.58	4.46	6.56	4.72	5.13	5.94	5.14	NR	NR	NR	4
5	NR	4.08	5.14	4.41	6.33	4.71	5.15	5.87	5.07	NR	NR	NR	5
6	NR	4.05	4.91	4.39	5.95	4.70	7.51	5.85	5.01	NR	NR	NR	6
7	NR	4.04	4.76	4.36	5.75	4.59	8.06	5.84	4.96	NR	NR	NR	7
8	NP	4.01	4.65	4.36	5.65	4.67	7.17	6.04	4.94	NR	NR	NR	8
9	NP	4.02	4.58	4.34	5.62	4.68	6.66	5.90	4.90	NR	NR	NR	9
10	4.61	4.22	4.51	4.33	5.50	4.64	6.59	5.70	4.93	NR	NR	NR	10
11	5.73	4.11	4.46	4.27	5.30	4.63	6.39	5.72	4.93	NR	NR	NR	11
12	11.71	4.12	4.42	4.20	5.36	4.62	6.04	5.72	4.87	NR	NR	NR	12
13	9.08	4.08	4.38	4.21	5.64	4.53	6.12	5.66	4.80	NR	NR	NR	13
14	8.01	4.08	4.42	4.22	5.42	4.48	8.14	5.59	4.91	NR	NR	NR	14
15	6.02	4.06	5.52	4.20	5.31	4.51	7.59	5.47	4.90	NR	NR	NR	15
16	5.33	4.03	6.69	4.21	5.24	4.62	6.96	5.38	4.85	NR	NR	NR	16
17	5.07	4.03	8.59	4.19	5.24	4.59	6.58	5.41	4.86	NR	NR	NR	17
18	5.03	4.03	7.04	4.15	5.15	4.53	6.27	5.49	4.83	NR	NR	NR	18
19	4.91	4.01	6.11	4.13	5.09	4.58	6.18	5.53	4.78	NR	NR	NR	19
20	4.83	4.03	5.67	4.10	5.09	4.69	6.03	5.65	4.69	NR	NR	NR	20
21	4.74	4.04	5.40	4.13	5.06	4.73	5.86	5.72	4.62	NR	NR	NR	21
22	4.61	4.05	5.21	4.14	5.00	4.73	5.72	5.74	4.56	NR	NR	NR	22
23	4.50	4.06	5.08	4.14	4.95	5.17	5.63	5.70	4.53	NR	NR	NR	23
24	4.43	4.02	4.95	4.13	4.92	5.11	5.58	5.65	4.48	NR	NR	NR	24
25	4.39	3.98	4.85	4.12	4.90	4.95	5.54	5.62	4.41	NR	NR	NR	25
26	4.35	4.35	4.78	4.12	4.87	4.68	5.51	5.58	4.36	NR	NR	NR	26
27	4.31	5.58	4.69	4.11	4.84	5.64	5.49	5.51	4.33	NR	NR	NR	27
28	4.27	4.79	4.66	4.10	4.82	7.50	5.49	5.46	4.30	NR	NR	NR	28
29	4.24	4.54	4.61	4.17		6.31	5.51	5.45	4.30	NR	NR	NR	29
30	4.21	4.43	4.57	6.22		5.99	5.61	5.42	4.27	NR	NR	NR	30
31	4.20		4.54	9.17		5.84		5.41		NR	NR	NR	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	1840	17.39	1-31-63	2140	12.03	4-7-63	0450	8.51			
12-17-62	1550	9.56	3-28-63	0020	9.41	4-14-63	0940	10.21			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
41° 35'	122° 05'	NW 9 25N 2W				MAY 47-DEC 48 APR 49-DEC 57	MAY 47-DEC 48 APR 49-DATE			22-31	USED

Station located approximately 3.1 mi. below U.S. Highway 99 bridge, 1.8 mi. N of Lee Mill cr. Tributary to Sacramento River. Flow affected by upstream regulation and diversion. Results of measurements listed in supplementary table in report.

TABLE 177
DAILY MEAN GAGE HEIGHT

THOMES CREEK AT PASKENTA

STATION NO	WATER YEAR
A32120	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	3.6	3.6	4.2	3.8	9.1	4.4	5.6	5.8	4.8	4.2	3.8	3.7	1
2	3.6	3.6	6.0 E	3.8	7.0	4.4	5.3	5.8	4.8	4.1	3.8	3.7	2
3	3.5	3.6	6.5	3.8	6.6	4.3	5.2	5.8	4.7	4.1	3.8	3.7	3
4	3.5	3.6	5.3	3.8	6.0	4.3	5.2	5.6	4.6	4.1	3.8	3.7	4
5	3.5	3.6	4.9	3.7	5.6	4.3	6.1	5.8	4.6	4.1	3.8	3.7	5
6	3.5	3.6	4.6	3.7	5.4	4.3	7.7	5.8	4.6	4.1	3.8	3.8	6
7	3.6	3.6	4.4	3.7	5.2	4.3	7.1	5.8	4.6	4.1	3.8	3.8	7
8	3.6	3.5	4.3	3.7	5.1	4.2	6.4	5.8	4.6	4.1	3.8	3.8	8
9	3.6	3.5	4.2	3.6	5.9	4.3	6.0	5.5	4.5	4.1	3.8	3.8	9
10	4.8	3.7	4.1	3.6	7.4	4.2	5.8	5.4	4.5	4.0	3.8	3.8	10
11	5.5	3.6	4.1	3.6	6.2	4.2	5.6	5.3	4.5	4.0	3.8	3.8	11
12	7.2	NR	4.0	3.6 E	6.1	4.1	5.7	5.2	4.5	4.0	3.8	3.8	12
13	5.9	3.8	4.2 E	3.6 E	6.1	4.1	6.2	5.2	4.4	4.0	3.8	3.8	13
14	5.2	3.7	4.2	3.7 E	5.8	4.1	7.4	5.2	4.4	4.0	3.8	3.7	14
15	4.8	3.6	4.9 E	3.6	5.5	4.1	6.7	5.2	4.4	4.0	3.8	3.7	15
16	4.5	3.6	5.0	3.6	5.4	4.2	6.1	5.3	4.4	4.0	3.7	3.7	16
17	4.4	3.6	5.0	3.6	5.3	4.2	5.8	5.5	4.5	3.9	3.7	3.8	17
18	4.2	3.6	4.8	3.5	5.1	4.1	5.7	5.6	4.4	3.9	3.7	3.8	18
19	4.2	3.6	4.6	3.5 E	5.0	4.1	5.6	5.6	4.3	3.9	3.7	3.8	19
20	4.1	3.6	4.4	3.5 E	4.9	4.2	5.5	5.6	4.3	3.9	3.7	3.8	20
21	4.0	3.6	4.3	3.5 E	4.9	4.2	5.4	5.6	4.3	3.9	3.7	3.8	21
22	3.9	3.6	4.2	3.5	4.8	4.2	5.3	5.5	4.3	3.9	3.7	3.8	22
23	3.9	3.6	4.2	3.5	4.7	4.6	5.3	5.4	4.3	3.9	3.7	3.8	23
24	3.8	3.6	4.1	3.5	4.6	4.3	5.3	5.3	4.3	3.9	3.7	3.8	24
25	3.8	3.6	4.0	3.5	4.6	4.3	5.3	5.2	4.2	3.9	3.7	3.8	25
26	NR	5.0 E	4.0	3.5	4.6	4.4	5.3	5.1	4.2	3.9	3.7	3.7	26
27	NR	5.2	4.0	3.5	4.5	6.1	5.3	5.1	4.2	3.9	3.7	3.7	27
28	NR	4.6	3.9	3.5	4.4	6.5	5.4	5.0	4.2	3.8	3.7	3.7	28
29	NR	4.3	3.9	3.5		5.8	5.6	5.0	4.2	3.8	3.7	3.7	29
30	NR	4.2	3.9	4.2		5.8	5.8	5.0	4.2	3.8	3.7	3.7	30
31	NR		3.9	8.8		6.0		4.9		3.8	3.7		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	2000	8.50	1-31-63	1730	12.63	3-27-63	2230	7.58	4-14-63	1000	7.83
12-2-62	1930	8.65	2-10-63	0130	8.44	4-6-63	0700	8.33			

LOCATION				MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.		OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
				C.F.S.	GAGE HT.	DATE			FROM	TO		
39 52 55	122 33 05	NW4 23N 6W		23500	12.14	12/21/55	OCT 20-DATE	OCT 20-DATE				

Station located 0.3 mi. above highway bridge at Paskenta. Tributary to Sacramento River. Records furnished by USGS. Drainage area is 188 sq. mi.

TABLE 178
DAILY MEAN GAGE HEIGHT

DEER CREEK NEAR VINA

STATION NO	WATER YEAR
A43110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	2.4	2.8	3.1	3.0	8.3	3.1	4.4	4.2	3.3	2.8	2.6	2.5	1
2	2.4	2.7	3.3	3.0	6.1	3.1	4.2	4.2	3.2	2.8	2.6	2.5	2
3	2.4	2.7	5.4	3.0	5.6	3.1	4.0	4.2	3.2	2.8	2.6	2.5	3
4	2.4	2.7	4.3	3.0	5.0	3.0	3.9	4.2	3.1	2.8	2.6	2.5	4
5	2.4	2.7	3.9	2.9	4.8	3.0	4.0	4.1	3.1	2.8	2.6	2.5	5
6	2.4	2.7	3.6	2.9	4.4	3.0	6.7	4.1	3.1	2.8	2.6	2.6	6
7	2.4	2.7	3.5	2.9	4.2	3.0	7.5	4.1	3.1	2.8	2.6	2.5	7
8	2.4	2.7	3.4	2.9	4.1	3.0	6.4	4.2	3.1	2.7	2.6	2.5	8
9	2.4	2.7	3.3	2.8	4.0	3.0	5.8	4.1	3.0	2.7	2.6	2.5	9
10	2.6	2.8	3.2	2.8	4.0	3.0	5.6	4.0	3.1	2.7	2.6	2.5	10
11	3.8	2.8	3.1	2.8	3.8	3.0	5.2	4.0	3.0	2.7	2.6	2.5	11
12	9.6	2.7	3.1	2.7	3.8	2.9	4.9	4.0	3.0	2.7	2.6	2.5	12
13	9.4	2.7	3.0	2.7	4.1	2.9	4.9	3.8	3.0	2.7	2.6	2.6	13
14	7.5	2.7	3.0	2.8	3.9	2.9	7.4	3.8	3.0	2.7	2.6	2.5	14
15	5.0	2.7	3.7	2.8	3.7	3.0	7.1	3.8	3.0	2.7	2.6	2.5	15
16	4.2	2.7	4.8	2.8	3.7	3.1	6.0	3.7	2.9	2.7	2.6	2.5	16
17	3.8	2.7	6.6	2.8	3.7	3.0	5.4	3.7	3.0	2.7	2.6	2.5	17
18	3.6	2.7	5.4	2.7	3.6	3.0	5.1	3.7	2.9	2.7	2.6	2.6	18
19	3.4	2.7	4.6	2.7	3.5	3.0	5.1	3.6	2.9	2.7	2.6	2.6	19
20	3.2	2.6	4.2	2.7	3.5	3.0	4.8	3.6	2.9	2.7	2.5	2.6	20
21	3.2	2.6	3.9	2.7	3.4	3.0	4.6	3.7	2.9	2.6	2.6	2.6	21
22	3.1	2.7	3.7	2.7	3.4	3.0	4.4	3.6	2.9	2.6	2.6	2.6	22
23	3.7	2.7	3.6	2.7	3.3	3.8	4.3	3.6	3.0	2.6	2.6	2.6	23
24	3.0	2.6	3.5	2.7	3.3	3.4	4.2	3.5	2.9	2.6	2.6	2.6	24
25	2.9	2.6	3.4	2.7	3.2	3.4	4.1	3.5	2.9	2.6	2.6	2.5	25
26	2.9	3.1	3.3	2.7	3.2	3.3	4.1	3.4	2.8	2.6	2.6	2.5	26
27	2.9	4.0	3.2	2.7	3.2	5.4	4.0	3.4	2.8	2.6	2.6	2.5	27
28	2.8	3.6	3.2	2.7	3.1	6.6	4.0	3.4	2.9	2.6	2.5	2.5	28
29	2.8	3.2	3.1	2.7		5.4	4.0	3.4	2.9	2.6	2.5	2.5	29
30	2.8	3.1	3.1	4.7		4.9	4.1	3.4	2.8	2.6	2.5	2.5	30
31	2.8		3.1	8.		4.7		3.4		2.6	2.5		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	2000	11.38	12-17-62	1400	7.29	3-27-63	2100	8.97	4-14-63	0800	9.35
12-3-62	0600	5.96	1-31-63	2230	11.03	4-7-63	0300	7.98			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 00 50	121 56 50	NE23 25N 1W	23800	19.2	12/10/37	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE	OCT 11-DEC 15 MAR 20-DEC 37 JAN 39-DATE				

Station located 0.5 mi. above concrete diversion dam, 7.9 mi. NE of Vina. Tributary to Sacramento River. Records furnished by USGS. Drainage area is 200 sq. mi.

TABLE 179
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT VINA BRIDGE

STATION NO	WATER YEAR
A02700	1963

in feet

DATE	OCT	NOV.	DEC	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	66.85	67.09	67.54	69.35	83.11	70.13	70.05	69.72	68.43	68.21	68.20	68.25	1
2	66.73	67.04	67.59	69.21	76.67	70.09	68.90	69.79	68.31	68.30	68.33	68.26	2
3	66.70	66.84	71.85	69.14	74.54	70.06	68.35	69.67	68.21	68.30	68.32	68.29	3
4	66.68	66.79	70.42	69.00	73.35	69.61	68.13	69.59	68.15	68.31	68.33	68.28	4
5	66.62	66.74	68.93	68.84	72.33	68.68	68.00	69.46	68.11	68.31	68.34	68.31	5
6	66.58	66.75	68.41	68.77	71.51	67.72	74.26	69.43	68.06	68.32	68.34	68.31	6
7	66.59	66.73	68.22	68.77	71.47	66.84	77.06	69.37	68.02	68.32	68.32	68.34	7
8	66.62	66.70	68.34	68.62	71.28	66.61	74.62	70.27	67.98	68.33	68.33	68.42	8
9	66.64	66.69	68.32	68.46	71.70	66.57	74.54	71.00	67.95	68.31	68.34	68.52	9
10	66.95	66.73	68.23	68.22	74.78	66.52	75.64	71.38	67.89	68.28	68.35	68.48	10
11	68.59	66.76	68.16	68.02	73.81	66.45	80.11	71.52	67.89	68.25	68.35	68.52	11
12	76.14	66.73	68.12	67.79	72.61	66.39	79.55	71.33	67.87	68.27	68.36	68.56	12
13	79.16	66.71	68.09	67.62	74.68	66.35	79.35	71.18	67.85	68.27	68.34	68.58	13
14	74.37	66.70	68.14	67.57	73.37	66.34	83.09	71.10	67.84	68.27	68.34	68.60	14
15	70.35	66.69	68.57	67.57	72.58	66.35	83.08	70.96	67.91	68.28	68.34	68.60	15
16	68.71	66.68	72.57	67.46	72.01	66.51	81.07	70.87	67.96	68.25	68.35	68.61	16
17	68.08	66.67	76.32	67.39	72.40	66.67	79.50	70.81	67.98	68.25	68.36	68.58	17
18	67.73	66.66	75.46	67.37	71.79	66.56	76.79	70.81	67.95	68.22	68.33	68.62	18
19	67.54	66.67	71.98	67.33	71.29	66.45	76.50	70.71	67.93	68.22	68.37	68.62	19
20	67.48	66.68	71.06	67.26	70.57	66.40	76.77	70.74	67.91	68.23	68.38	68.63	20
21	67.46	66.67	70.55	67.23	70.07	66.37	75.09	70.58	67.88	68.21	68.35	68.61	21
22	67.39	66.68	70.26	67.21	70.15	66.39	74.67	70.30	67.99	68.22	68.25	68.46	22
23	67.34	66.66	70.06	67.22	70.50	66.68	73.49	69.98	68.05	68.21	68.24	68.46	23
24	67.28	66.65	69.84	67.21	70.42	67.20	72.38	69.73	68.05	68.19	68.24	68.46	24
25	67.25	66.65	69.73	67.20	70.34	66.91	71.72	69.39	68.03	68.19	68.25	68.45	25
26	67.21	66.80	69.63	67.19	70.28	66.68	71.47	69.09	68.01	68.14	68.25	68.46	26
27	67.20	69.36	69.57	67.18	70.20	68.35	70.82	69.00	68.05	68.15	68.20	68.46	27
28	67.18	68.42	69.53	67.18	70.20	75.86	70.37	68.90	68.16	68.16	68.08	68.42	28
29	67.15	67.85	69.49	67.23		72.00	70.27	68.86	68.17	68.17	68.11	68.39	29
30	67.13	67.63	69.44	69.99		70.63	70.11	68.80	68.17	68.15	68.21	68.39	30
31	67.11		69.42	78.22		70.55		68.65		68.16	68.23		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-12-62	2355	81.73	12-17-62	2145	79.57	2-13-63	0940	75.27	4-7-63	0525	77.46
12-3-62	1205	73.78	2-1-63	0850	85.16	3-28-63	1020	76.99	4-14-63	2215	84.82

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	APR 45-DATE	APR 45-DATE	1945	1945	100.00	USED USCGS
Station located 250 Ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.											

TABLE 180

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT HAMILTON CITY

STATION NO	WATER YEAR
A02630	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	28.05	28.49	28.90	30.39	42.77	31.15	31.19	30.60	29.05	28.75	28.72	28.93	1
2	27.96	28.47	28.87	30.27	37.71	31.11	30.22	30.59	28.90	28.86	28.84	28.98	2
3	27.89	28.29	31.78	30.22	34.76	31.07	29.69	30.46	28.81	28.86	28.84	29.01	3
4	27.87	28.27	31.62	30.11	33.90	30.84	29.46	30.35	28.76	28.88	28.86	28.99	4
5	27.84	28.18	30.19	30.00	32.93	30.14	29.31	30.20	28.69	28.88	28.87	29.05	5
6	27.77	28.19	29.67	29.91	32.31	29.40	33.16	30.13	28.65	28.86	28.88	29.08	6
7	27.76	28.17	29.49	29.89	32.14	28.67	36.84	30.03	28.62	28.86	28.87	29.12	7
8	27.76	28.16	29.50	29.82	32.06	28.29	35.32	30.63	28.59	28.88	28.88	29.18	8
9	27.81	28.15	29.52	29.68	32.27	28.22	34.29	31.18	28.56	28.86	28.88	29.31	9
10	27.93	28.15	29.45	29.53	34.81	28.17	35.11	31.72	28.51	28.84	28.91	29.31	10
11	29.20	28.18	29.41	29.35	34.49	28.10	39.11	31.82	28.49	28.81	28.92	29.29	11
12	34.24	28.16	29.36	29.18	33.28	28.03	39.09	31.70	28.48	28.81	28.93	29.35	12
13	39.64	28.16	29.32	29.01	34.92	27.98	38.53	31.56	28.46	28.82	28.92	29.41	13
14	35.34	28.16	29.33	28.92	34.05	27.96	41.26	31.44	28.45	28.83	28.89	29.45	14
15	31.59	28.14	29.47	28.92	33.26	27.95	43.00	31.37	28.51	28.83	28.90	29.48	15
16	30.00	28.13	32.39	28.86	32.76	28.04	40.58	31.21	28.59	28.81	28.90	29.50	16
17	29.40	28.12	35.12	28.77	33.04	28.21	39.38	31.12	28.60	28.81	28.91	29.49	17
18	29.08	28.11	36.61	28.75	32.61	28.14	37.21	31.08	28.56	28.80	28.91	29.53	18
19	28.89	28.10	32.73	28.71	32.20	28.07	36.22	31.01	28.53	28.80	28.92	29.54	19
20	28.79	28.11	31.80	28.66	31.64	27.98	36.87	30.99	28.49	28.79	28.95	29.56	20
21	28.79	28.11	31.36	28.62	31.24	27.87	35.62	30.96	28.44	28.79	28.94	29.57	21
22	28.74	28.11	31.11	28.61	31.08	27.86	34.85	30.65	28.52	28.80	28.85	29.47	22
23	28.70	28.10	30.93	28.61	31.45	27.98	34.20	30.41	28.61	28.78	28.87	29.49	23
24	28.65	28.11	30.79	28.59	31.39	28.47	33.20	30.20	28.63	28.75	28.88	29.52	24
25	28.62	28.11	30.68	28.60	31.35	28.47	32.60	29.92	28.61	28.75	28.87	29.50	25
26	28.59	28.16	30.59	28.60	31.28	28.23	32.32	29.62	28.60	28.73	28.89	29.49	26
27	28.56	30.01	30.55	28.58	31.22	28.53	31.85	29.49	28.60	28.73	28.88	29.49	27
28	28.54	29.84	30.50	28.57	31.18	35.67	31.38	29.40	28.70	28.74	28.75	29.46	28
29	28.53	29.25	30.48	28.60		33.26	31.19	29.36	28.73	28.74	28.76	29.44	29
30	28.52	29.01	30.45	29.86		31.67	31.05	29.37	28.74	28.72	28.84	29.44	30
31	28.50		30.41	36.96		31.36		29.24		28.70	28.91		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	0615	40.76	12-18-62	0230	39.07	2-10-63	1630	35.58	4-7-63	0920	37.19
12-3-62	1755	33.80	2-1-63	1500	43.86	3-28-63	1415	36.88	4-15-63	0340	43.84

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000 E	22.6	2/28/40	APR 45-DATE	27-DATE	1927 1945 1945	1945	127.9 100.00 96.5	USED USED USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

TABLE 181
DAILY MEAN GAGE HEIGHT
BIG CHICO CREEK NEAR CHICO

STATION NO	WATER YEAR
A42110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	1.1	2.6	2.9	NR	NR	2.9	4.2	3.2	2.6	2.4	2.2	2.2	1
2	1.1	2.6	3.1	NR	5.3	2.9	4.0	3.2	2.6	2.4	2.2	2.2	2
3	1.2	2.6	4.6	NR	4.6	2.8	3.8	3.2	2.6	2.4	2.3	2.2	3
4	1.2	2.6	3.9	NR	4.2	2.8	3.6	3.2	2.6	2.4	2.3	2.2	4
5	1.2	2.5	3.5	NR	4.0	2.8	3.6	3.1	2.6	2.4	2.2	2.2	5
6	1.2	2.5	3.3	NR	3.8	2.8	5.8	3.1	2.6	2.4	2.2	2.2	6
7	1.2	2.5	3.2	NR	3.6	2.8	6.6	3.1	2.5	2.4	2.2	2.2	7
8	1.2	2.5	3.0	NR	3.6	2.8	5.6	3.1	2.5	2.4	2.2	2.2	8
9	1.2	2.5	3.0	2.6	3.5	2.8	5.0	3.1	2.5	2.3	2.3	2.2	9
10	1.2	2.6	2.9	2.6	NR	2.8	4.8	3.0	2.5	2.3	2.3	2.2	10
11	3.6	2.6	2.9	2.6	NR	2.8	4.6	3.1	2.5	2.3	2.3	2.2	11
12	9.2	2.5	2.8	2.6	NR	2.7	4.4	3.2	2.5	2.3	2.2	2.2	12
13	8.9	2.5	2.8	2.6	NR	2.7	4.3	3.1	2.5	2.3	2.2	2.2	13
14	6.2	2.5	NR	2.6	NR	2.8	6.6	3.0	2.5	2.3	2.2	2.2	14
15	5.0	NR	NR	2.6	NR	2.8	6.6	3.0	2.5	2.3	2.2	2.2	15
16	3.6	NR	NR	2.6	NR	3.1	5.5	2.9	2.4	2.3	2.2	2.2	16
17	3.3	NR	NR	2.6	3.5	2.9	4.8	2.9	2.4	2.3	2.2	2.2	17
18	3.1	NR	NR	2.6	3.4	2.9	4.5	2.9	2.4	2.3	2.2	2.2	18
19	3.0	NR	NR	2.6	3.3	2.9	4.6	2.8	2.4	2.3	2.2	2.2	19
20	2.9	NR	NR	2.6	3.2	2.9	4.4	2.8	2.4	2.3	2.2	2.2	20
21	2.8	NR	NR	2.6	3.2	2.9	4.2	2.8	2.4	2.3	2.2	2.2	21
22	2.8	NR	NR	2.6	3.1	3.0	3.9	2.8	2.4	2.3	2.2	2.3	22
23	2.7	NR	NR	2.6	3.1	3.6	3.8	2.7	2.4	2.3	2.2	2.2	23
24	2.7	NR	NR	2.6	3.0	3.6	3.7	2.7	2.4	2.3	2.2	2.2	24
25	2.7	NR	NR	2.6	3.0	3.4	3.6	2.7	2.4	2.3	2.2	2.2	25
26	2.7	NR	NR	2.5	3.0	3.2	3.6	2.7	2.4	2.3	2.2	2.2	26
27	2.6	3.5	NR	2.5	2.9	5.1	3.5	2.7	2.4	2.3	2.2	2.2	27
28	2.6	3.2	NR	2.5	NR	6.9	3.4	2.6	2.4	2.3	2.2	2.2	28
29	2.6	3.0	NR	2.6		5.4	3.3	2.6	2.4	2.3	2.2	2.2	29
30	2.6	2.9	NR	NR		4.8	3.3	2.6	2.4	2.3	2.2	2.2	30
31	2.6		NR	NR		4.5		2.6		2.3	2.2		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1630	10.77	3-28-63	0045	8.55	4-14-63	1215	7.57			
1-31-63		12.21	4-7-63	0230	7.22						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 46 35	121 45 10		8260	16.6	12/10/37	MAY 30-DATE	MAY 30-DATE				

Station located 1.8 mi. above golf clubhouse in Bidwell Park, 7 mi. NE of Chico. Tributary to Sacramento River. Records furnished by USGS. Drainage area is 67.9 sq. mi.

DAILY MEAN GAGE HEIGHT

STONY CREEK NEAR HAMILTON CITY

STATION NO	WATER YEAR
A03120	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	NF	3.6	NF	4.4	11.6	5.3	8.3	6.5	5.1	4.7	4.7	NF	1
2	NF	NF	NF	4.3	11.9	5.0	7.4	6.5	5.0	4.7	NF	4.7	2
3	NF	NF	6.7	4.3	10.3	5.0	7.2	6.4	4.9	4.8	4.7	4.8	3
4	NF	NF	6.2	4.2	8.2	4.9	7.1	6.4	4.7	4.8	4.7	4.7	4
5	NF	NF	5.5	4.2	7.2	4.9	7.0	6.3	4.7	4.9	NF	4.7	5
6	NF	NF	5.1	4.1	6.8	4.9	7.8	6.3	4.7	4.8	NF	4.7	6
7	NF	NF	4.8	4.1	6.7	4.8	9.5	6.2	4.7	4.6	NF	4.7	7
8	NF	NF	4.6	4.1	6.2	4.8	9.8	6.1	4.8	4.6	4.7	4.6	8
9	NF	NF	4.5	4.0	6.2	4.7	9.0	6.2	4.7	4.8	4.8	NF	9
10	NF	NF	4.4	4.0	10.2	4.7	8.2	6.1	4.7	4.7	4.6	NF	10
11	NF	NF	4.3	4.0	10.5	4.7	8.0	6.2	4.7	4.6	4.7	NF	11
12	NF	NF	4.2	3.9	9.1	4.7	7.8	6.2	4.8	NF	4.6	NF	12
13	7.0	NF	4.1	3.6	10.1	4.7	8.1	6.1	4.8	NF	NF	NF	13
14	5.8 E	NF	4.1	3.4	9.6	4.7	9.9	6.1	4.7	NF	4.7	NF	14
15	NR	NF	4.2	NF	8.2	4.6	11.1	6.0	4.7	4.7	4.6	NF	15
16	NR	NF	4.5	NF	7.1	4.6	9.7	5.8	4.7	4.8	4.7	NF	16
17	NR	NF	5.2	NF	7.1	4.8	8.5	5.7	4.8	4.8	4.7	NF	17
18	4.3 E	NF	5.8	NF	7.0	4.8	8.3	5.5	4.8	4.8	4.5	NF	18
19	4.2	NF	5.6	NF	6.8	4.7	8.1	5.4	4.8	4.8	NF	4.6	19
20	4.2	NF	5.3	NF	6.6	4.7	7.8	5.4	4.7	4.7	NF	4.6	20
21	4.1	NF	5.1	NF	6.5	4.6	7.6	5.5	4.7	4.6	NF	NF	21
22	4.1	NF	4.9	NF	5.9	4.6	7.4	5.5	4.7	NF	4.6	NF	22
23	4.1	NF	4.8	NF	5.7	4.9	7.2	5.4	4.7	NF	NF	NF	23
24	4.1	NF	4.8	NF	5.8	5.3	7.1	5.4	4.8	NF	4.7	NF	24
25	4.0	NF	4.7	NF	5.7	5.2	7.0	5.4	4.8	4.8	4.7	NF	25
26	4.0	NF	4.6	NF	5.7	5.3	7.0	5.4	4.8	4.7	4.7	NF	26
27	4.0	NF	4.6	NF	5.6	5.9	6.9	5.3	4.8	4.7	4.6	NF	27
28	3.9	NF	4.5	NF	5.6	10.6	6.8	5.2	4.8	4.7	4.7	NF	28
29	3.9	NF	4.5	NF		10.4	6.4	5.2	4.7	4.7	4.7	NF	29
30	3.9	NF	4.4	NF		8.4	6.4	5.2	4.7	4.7	4.6	NF	30
31	3.8		4.4	7.8		8.5		5.2		4.6	4.6		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1230	7.34	2- 1-63	2030	12.32	3-28-63	2000	11.14	4-15-63	1200	11.23
12- 3-62	1730	6.96	2-10-63	2100	11.15	4- 8-63	0100	10.06			

E - Estimated
 NR - No Record
 NF - No Flow

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 43 25	122 02 47		39900	18.31	2/25/58	OCT 40-DATE	OCT 40-DATE	1941 1944	1944 1946	188.11 186.61	USED USED

Station located 2.3 mi. SW of Hamilton City, 6 mi. above mouth. Tributary to Sacramento River. Flow regulated by East Park Reservoir and Stony Gorge Reservoir. Flow to Sacramento River is cut off during irrigation season by an earth fill installed by Glenn-Colusa Irrigation District to transport water from their main canal across Stony Creek. Records furnished by USGS. Drainage area is 764 sq. mi.

TABLE 183
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT ORD FERRY

STATION NO	WATER YEAR
A02570	1963

in feet													
DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	46.20	46.87	47.38	49.23	62.66	50.19	51.01	49.55	47.57	46.98	46.87	47.09	1
2	46.09	46.84	47.33	49.05	61.04	50.11	49.72	49.47	47.42	47.11	47.01	47.14	2
3	46.03	46.66	49.89	49.01	55.88	50.07	48.90	49.34	47.26	47.11	47.04	47.18	3
4	46.01	46.58	51.31	48.86	54.23	49.93	48.49	49.22	47.18	47.13	47.07	47.17	4
5	45.99	46.46	49.34	48.74	52.87	49.22	48.24	49.03	47.11	47.14	47.08	47.21	5
6	45.92	46.45	48.54	48.62	52.06	48.35	51.40	48.88	47.04	47.11	47.07	47.27	6
7	45.90	46.43	48.18	48.57	51.64	47.50	56.90	48.77	46.99	47.10	47.06	47.29	7
8	45.90	46.41	48.11	48.49	51.49	46.94	56.50	49.18	46.94	47.12	47.06	47.39	8
9	45.93	46.39	48.15	48.32	51.54	46.76	54.25	49.87	46.88	47.11	47.07	47.50	9
10	46.01	46.39	48.07	48.13	54.47	46.68	54.82	50.67	46.83	47.08	47.08	47.56	10
11	47.26	46.44	47.99	47.94	55.33	46.58	58.50	50.76	46.79	47.06	47.10	47.55	11
12	52.18	46.41	47.92	47.73	53.57	46.47	59.37	50.72	46.75	47.03	47.10	47.62	12
13	60.21E	46.39	47.88	47.53	55.09	46.39	58.62	50.55	46.71	47.04	47.09	47.69	13
14	56.91	46.39	47.89	47.41	54.70	46.33	60.95	50.38	46.70	47.05	47.05	47.74	14
15	51.89	46.36	47.99	47.39	53.43	46.31	64.67	50.29	46.73	47.03	47.05	47.79	15
16	49.40	46.35	50.98E	47.35	52.57	46.43	62.49	50.09	46.85	47.02	47.06	47.80	16
17	48.39	46.35	54.21	47.23	52.66	46.80	60.41	49.97	46.84	47.01	47.07	47.78	17
18	47.88	46.35	57.52	47.19	52.36	46.64	57.98	49.90	46.81	47.00	47.07	47.83	18
19	47.57	46.34	52.88	47.14	51.80	46.60	56.21	49.84	46.75	46.99	47.06	47.87	19
20	47.40	46.33	51.42	47.10	51.19	46.35	57.07	49.79	46.70	46.99	47.09	47.87	20
21	47.38	46.34	50.75	47.03	50.64	46.37	55.87	49.78	46.66	46.99	47.09	47.92	21
22	47.29	46.35	50.36	47.01	50.26	46.08	54.59	49.49	46.72	47.01	47.00	47.79	22
23	47.22	46.34	50.07	46.98	50.58	46.16	54.14	49.25	46.82	46.98	47.00	47.78	23
24	47.15	46.34	49.85	46.95	50.58	46.76	52.96	48.98	46.85	46.94	47.01	47.84	24
25	47.09	46.34	49.69	46.96	50.52	46.94	52.16	48.69	46.84	46.94	47.03	47.82	25
26	47.04	46.35	49.55	46.95	50.44	46.60	51.66	48.32	46.81	46.91	47.04	47.81	26
27	47.01	48.24	49.45	46.94	50.34	46.97E	51.15	48.14	46.78	46.92	47.03	47.79	27
28	46.97	48.74	49.40	46.92	50.26	55.47	50.52	48.00	46.92	46.92	46.90	47.80	28
29	46.94	47.85	49.35	46.95		54.66	50.22	47.91	46.97	46.94	46.88	47.76	29
30	46.91	47.53	49.30	48.44		51.89	50.04	47.92	46.98	46.82	46.96	47.76	30
31	46.89	49.26	56.39E			51.15		47.78		46.86	47.06		31

E - Estimated NR - No Record NF - No Flow	CREST STAGES											
	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
	10-13-62	1200	60.96	12-18-62	0800	58.92	2-13-63	1945	59.92	4-7-63	1520	57.68
12-4-62	2300	52.96	2-1-63	2240	64.35	3-28-63	1810	57.69	4-15-63	1300	64.99	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 21N 1W	370000	121.7	2/28/40	JAN 48-DATE	21-MAY 27 # FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41 # NOV 41-DATE	1937	1960	0.00	USED
										50.00	USED

Station located 0.1 mi. below Ord Ferry.

- Flood season only.

TABLE 184

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT BUTTE CITY

STATION NO	WATER YEAR
A02500	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	70.4	71.2	71.7	73.8	NR	75.1	75.8	74.7	71.8	71.2	71.1	71.3	1
2	70.3	71.1	71.6	73.7	NR	74.9	74.8	74.5	71.7	71.3	71.2	71.4	2
3	70.2	71.0	73.2	73.5	NR	74.8	73.8	74.3	71.6	71.3	71.3	71.4	3
4	70.2	70.9	76.4	73.4	81.4	74.7	73.2	74.1	71.5	71.4	71.3	71.4	4
5	70.2	70.7	74.0	73.3	79.0	73.9	72.8	73.8	71.4	71.4	71.3	71.5	5
6	70.1	70.7	73.1	NR	77.7	73.0	74.8	73.7	71.3	71.4	71.3	71.5	6
7	70.1	70.7	72.6	NR	76.9	72.0	82.6	73.5	71.3	71.4	71.3	71.6	7
8	70.1	70.7	72.5	NR	76.8	71.3	84.4	73.7	71.2	71.4	71.3	71.7	8
9	70.1	70.7	72.5	NR	76.7	71.0	80.8	74.5	71.1	71.4	71.3	71.8	9
10	70.2	70.6	72.4	NR	79.1	70.9	81.0	75.5	71.1	71.3	71.3	71.9	10
11	NR	70.7	72.3	NR	82.3	70.8	84.5	75.6	71.0	71.3	71.3	71.9	11
12	NR	70.7	72.3	NR	80.0	70.7	87.3	75.7	71.0	71.3	71.4	72.0	12
13	NR	70.6	72.2	NR	80.7	70.6	87.1	75.5	70.9	71.3	71.3	72.0	13
14	NR	70.6	72.2	NR	81.6	70.6	88.0	75.3	70.9	71.3	71.3	72.1	14
15	NR	70.6	72.3	71.7	79.6	70.5	NR	75.2	70.9	71.3	71.3	72.1	15
16	NR	70.6	75.3	71.7	78.3	70.6	NR	75.0	71.1	71.3	71.3	72.2	16
17	73.2	70.6	NR	71.6	78.0	71.1	89.6	74.8	71.1	71.2	71.3	72.2	17
18	72.5	70.6	85.0	71.5	77.9	70.9	87.4	74.7	71.0	71.2	71.3	72.2	18
19	72.1	70.6	79.8	71.5	77.2	70.8	84.4	74.6	71.0	71.2	71.3	72.3	19
20	71.8	70.6	76.6	71.4	76.5	70.6	84.5	74.5	70.9	71.2	71.3	72.3	20
21	71.8	70.6	75.6	71.3	75.8	70.3	83.5	74.5	70.9	71.2	71.4	72.3	21
22	71.7	70.6	75.1	71.3	75.3	70.3	81.3	74.2	70.9	71.2	71.3	72.2	22
23	71.6	70.6	74.8	71.3	75.6	70.3	80.6	74.0	71.0	71.2	71.2	72.2	23
24	71.5	70.6	74.5	71.3	75.6	71.0	79.0	73.6	71.1	71.2	71.3	72.3	24
25	71.4	70.5	74.4	71.3	75.5	71.2	77.9	73.3	71.0	71.2	71.3	72.2	25
26	71.4	70.5	74.2	71.3	75.4	70.9	77.1	72.8	71.0	71.1	71.3	72.2	26
27	71.3	71.8	74.1	71.2	75.3	NR	76.6	72.5	71.0	71.2	71.3	72.2	27
28	71.3	73.3	74.0	71.2	75.2	NR	75.9	72.4	71.1	71.1	71.2	72.2	28
29	71.2	72.3	73.9	71.2	73.9	NR	75.5	72.3	71.2	71.2	71.1	72.2	29
30	71.2	71.9	73.8	72.1	73.8	NR	75.2	72.3	71.2	71.1	71.2	72.2	30
31	71.2	71.9	73.8	NR	73.8	NR	75.2	72.2	71.1	71.1	71.3	72.2	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1800E	87.8 E	2- 2-63	0200E	91.30E	3-29-63	0300	83.68	4-15-63	2300	92.20
12-18-62	1600	85.30	2-11-63	0900	82.61	4- 8-63	1000	84.73			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 35	121 59 35	NE32 19N 1W	170000	96.87	2/7/42	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-OCT 28 8 APR 29-DATE	1921		0.00	USED

Station located at Highway bridge, 0.5 mi. S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE 185
DAILY MEAN GAGE HEIGHT
 SACRAMENTO RIVER AT MOULTON WEIR

STATION NO.	WATER YEAR
A02445	1963

IN FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					77.59A								1
2					78.97								2
3					77.62A								3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12							77.00A						12
13							77.02A						13
14							77.20A						14
15							79.25						15
16							79.98						16
17							78.76						17
18							77.62						18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

CREST STAGES

E - Estimated
 NR - No Record
 NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 2-63	1200	79.33									
4-16-63	0400	80.26									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W		83.8	2/7/42	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (Elev. 76.75 ft.) are not tabulated.

A - Mean gage height for period of flow.
 # - Flood season only.

TABLE 186

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER OPPOSITE MOULTON WEIR

STATION NO	WATER YEAR
A02450	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	56.97	57.94	58.53	61.17	75.14	63.01	64.81	62.74	59.22	57.97	57.73	58.07	1
2	56.98	57.90	58.41	61.08	79.13	62.87	63.32	62.34	56.89	58.05	57.82	58.14	2
3	56.89	57.80	59.49	60.91	76.28	62.79	61.60	62.09	56.66	58.13	57.99	58.19	3
4	56.80	57.62	64.75	60.80	72.50	62.60	60.79	61.78	58.52	58.16	58.04	58.21	4
5	56.76	57.53	62.10	60.64	69.54	61.80	60.35	61.49	58.42	58.17	58.07	58.23	5
6	56.69	57.45	60.48	60.47	67.44	60.69	61.63	61.25	58.30	58.15	58.05	58.29	6
7	56.65	57.45	59.79	60.38	65.92	59.49	70.50	61.06	58.21	58.14	58.04	58.35	7
8	56.63	57.42	59.56	60.31	65.50	58.50	74.07	61.07	58.14	58.14	58.04	58.46	8
9	56.63	57.42	59.64	60.13	65.20	58.13	71.77	62.13	58.06	58.13	58.08	58.58	9
10	56.71	57.38	59.52	59.87	67.22	57.95	71.19	63.44	57.97	58.11	58.06	58.72	10
11	57.37	57.40	59.39	59.61	71.90	57.80	73.18	63.79	57.88	58.05	58.08	58.75	11
12	61.00	57.40	59.30	59.31	70.73	57.66	76.49	63.99	57.84	58.01	58.09	58.84	12
13	72.52	57.37	59.21	59.04	70.11	57.53	76.81	63.73	57.78	58.01	58.07	58.91	13
14	75.91	57.35	59.19	58.82	71.99	57.44	77.05	63.44	57.74	58.03	58.03	59.05	14
15	70.76	57.34	59.29	58.74	70.13	57.41	79.50	63.27	57.74	58.01	58.01	59.11	15
16	63.78	57.32	61.40	58.70	68.31	57.45	80.33	63.00	57.90	57.98	58.03	59.17	16
17	60.92	57.29	66.41	58.57	67.27	57.96	78.96	62.67	57.90	57.94	58.06	59.18	17
18	59.89	57.28	72.83	58.47	67.38	57.88	77.47	62.52	57.88	57.94	58.10	59.20	18
19	59.33	57.27	71.29	58.42	66.40	57.68	74.99	62.41	57.78	57.92	58.05	59.27	19
20	58.89	57.26	66.52	58.36	65.40	57.54	74.25	62.30	57.69	57.93	58.09	59.29	20
21	58.76	57.25	64.33	58.25	64.33	57.27	74.02	62.29	57.61	57.91	58.12	59.34	21
22	58.66	57.25	63.33	58.20	63.48	57.10	72.04	62.04	57.59	57.93	58.04	59.27	22
23	58.53	57.25	62.76	58.16	63.46	57.15	71.02	61.67	57.74	57.91	57.97	59.20	23
24	58.43	57.25	62.35	58.14	63.68	57.73	69.41	61.21	57.80	57.86	57.99	59.28	24
25	58.32	57.24	62.02	58.12	63.55	58.25	67.76	60.86	57.78	57.85	58.00	59.28	25
26	58.24	57.25	61.77	58.12	63.41	57.93	66.33	60.40	57.77	57.82	58.01	59.24	26
27	58.18	58.16	61.56	58.11	63.28	57.74	65.58	60.02	57.73	57.83	58.00	59.23	27
28	58.15	60.60	61.45	58.07	63.13	64.64	64.64	59.81	57.84	57.81	57.92	59.22	28
29	58.09	59.38	61.36	58.06		71.94	63.81	59.64	57.96	57.82	57.83	59.17	29
30	58.02	58.80	61.28	58.58		68.38	63.35	59.61	57.98	57.79	57.87	59.15	30
31	57.97		61.21	66.65		65.29		59.51		57.72	58.01		31

E - Estimated
 NR - No Record
 NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0855	76.48	12-18-62	1935	74.54	2-11-63	1615	72.40	4-8-63	1505	74.36
12-4-62	1000	63.44	2-2-63	1200	79.60	3-28-63	0925	72.79	4-16-63	0400	80.77

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W	85.5		2/7/42	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43# OCT 43-DATE			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

- Flood season only.
 8 - Irrigation season only.

TABLE 187

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT COLUSA WEIR

STATION NO	WATER YEAR
A02430	1963

IN FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					64.19								1
2					65.94								2
3					65.04								3
4					63.49								4
5					62.35A								5
6													6
7							62.97A						7
8							64.04						8
9							63.38						9
10							62.97						10
11					63.11A		63.36						11
12					62.79		64.72						12
13	63.27A				62.35		65.09						13
14	64.74				63.28		65.00						14
15	63.38A				62.51		65.77						15
16					61.88A		66.63						16
17							66.22						17
18			63.46A				65.63						18
19			63.20				64.73						19
20							64.19						20
21							64.06						21
22							63.28						22
23							62.88						23
24							62.12A						24
25													25
26													26
27													27
28						63.17A							28
29						62.40A							29
30													30
31				62.24A									31

E - Estimated
 NR - No Record
 NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	1250	64.87	2- 2-63	1535	66.14	3-29-63	1240	63.52	4-13-63	0700	65.13E
12-18-62	2340	64.13	2-11-63	1820	63.41	4- 8-63	1830	64.15E	4-16-63	1600	66.72E

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at N end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (Elev. 61.80 ft.) are not tabulated.

A - Mean gage height for period of flow.
 # - Flood season only.

TABLE 188
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT COLUSA

STATION NO.	WATER YEAR
A02420	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	41.6	43.4	44.3	48.5	62.0	51.3	54.6	51.1	45.2	43.2	42.8	43.4	1
2	41.5	43.3	44.1	48.4	64.3	51.1	53.2	50.2	44.8	43.3	42.8	43.5	2
3	41.3	43.2	44.5	48.2	63.5	50.9	50.4	49.8	44.5	43.4	43.1	43.6	3
4	41.2	42.8	51.8	48.0	61.7	50.7	48.7	49.3	44.2	43.4	43.2	43.7	4
5	41.2	42.6	51.1	47.7	60.3	50.0	47.8	48.9	44.0	43.5	43.2	43.7	5
6	41.1	42.5	48.1	47.4	58.3	48.3	47.8	48.5	43.8	43.4	43.2	43.8	6
7	41.0	42.4	48.6	47.2	56.2	46.5	58.4	48.2	43.7	43.4	43.3	44.0	7
8	40.9	42.4	46.0	47.1	55.4	44.8	62.2	48.0	43.5	43.4	43.2	44.1	8
9	40.9	42.4	45.9	46.8	54.9	44.0	61.5	49.2	43.4	43.4	43.3	44.3	9
10	41.0	42.3	45.8	46.5	56.4	43.6	61.1	50.8	43.3	43.4	43.3	44.6	10
11	41.6	42.3	45.6	46.1	61.1	43.4	61.7	51.8	43.2	43.3	43.3	44.7	11
12	45.4	42.3	45.5	45.6	60.9	43.1	63.1	52.2	43.1	43.2	43.3	44.8	12
13	58.3	42.3	45.4	45.1	60.4	42.9	63.3	52.1	43.0	43.2	43.3	45.0	13
14	62.8	42.2	45.3	44.7	61.4	42.7	63.3	51.7	42.9	43.3	43.3	45.2	14
15	61.2	42.2	45.4	44.6	60.6	42.8	64.3	51.4	42.9	43.2	43.2	45.3	15
16	55.8	42.2	47.2	44.5	59.2	42.6	65.1	51.1	43.1	43.1	43.2	45.4	16
17	50.8	42.1	54.2	44.3	57.8	43.2	64.4	50.6	43.2	43.0	43.3	45.4	17
18	47.3	42.1	60.9	44.2	57.8	43.3	63.7	50.3	43.1	43.0	43.4	45.4	18
19	46.8	42.1	61.3	44.0	56.7	43.0	62.7	50.1	43.0	43.0	43.3	45.6	19
20	45.8	42.1	57.7	43.9	55.4	42.8	62.2	49.9	42.9	43.0	43.3	45.6	20
21	45.3	42.1	54.5	43.8	53.8	42.4	62.2	49.8	42.7	43.0	43.4	45.7	21
22	45.0	42.1	52.7	43.7	52.5	42.1	61.5	49.6	42.6	43.0	43.3	45.7	22
23	44.7	42.0	51.6	43.6	51.9	42.0	61.0	49.1	42.8	43.0	43.2	45.5	23
24	44.5	42.0	50.8	43.6	52.3	42.6	60.2	48.4	42.9	42.9	43.2	45.6	24
25	44.2	42.0	50.2	43.5	52.1	43.6	58.5	47.8	42.9	42.9	43.2	45.6	25
26	44.0	41.9	49.7	43.5	51.9	43.3	56.6	47.1	42.9	42.9	43.2	45.6	26
27	43.9	42.6	49.4	43.5	51.7	42.9	55.4	46.4	42.8	42.9	43.2	45.5	27
28	43.8	46.9	49.1	43.4	51.5	48.6	54.2	46.1	42.8	42.9	43.2	45.5	28
29	43.8	46.0	48.9	43.4		60.8	52.9	45.8	43.1	42.9	43.0	45.5	29
30	43.5	44.9	48.7	43.8		59.6	51.9	45.7	43.1	42.9	43.1	45.4	30
31	43.4		48.6	52.2		55.9		45.6	42.8	43.3			31

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	1600	63.0	2-2-63	1800	64.7	3-29-63	1400	61.5	4-16-63	1000	65.2
12-18-62	2400	62.3	2-11-63	1900	61.5	4-8-63	1900	62.3			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 12 50	121 59 55	NW29 16N 1W	49000	69.20	2/8/42	APR 20-OCT 38 8 JAN 39-DATE	APR 19-DATE	1921 1921		0.00 -3.0	USED USCGS

Station located just below highway bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE 189
DAILY GAGE HEIGHT
 SACRAMENTO RIVER AT BUTTE SLOUGH OUTFALL GATES
 IN FEET

STATION NO	WATER YEAR
102400	1963

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					59.60					39.65	39.50		1
2							51.20			39.85	39.40	40.20	2
3	37.71								41.30	39.85	39.75	40.40	3
4									41.20	40.20	40.00	40.55	4
5									40.95	40.00	39.95	40.60	5
6			45.23			45.66			40.75	40.10	39.95	40.65	6
7									40.50	40.16	40.00	40.85	7
8									40.35	40.05	40.00	41.00	8
9				43.80					40.25	40.05	40.15	41.30	9
10									40.10	40.05	40.00		10
11									40.10	40.00	40.05		11
12									40.00	40.00	40.10	41.78	12
13									39.90	39.90	40.00		13
14									39.70	39.85	39.95		14
15									39.70	39.90	39.95		15
16									39.90	39.80	39.80		16
17									40.10	39.70	39.90		17
18									40.00	39.55	40.05		18
19	44.62								39.95	39.40	39.95		19
20									39.70	39.30	39.95		20
21	41.40								39.45	39.70	39.95		21
22				40.46					39.40	39.70	40.00		22
23									39.40	39.80	39.80		23
24				40.38					39.60	39.60	39.80		24
25					49.45	40.67			39.65	39.55	39.75		25
26									39.65	39.55	39.85		26
27			46.30						39.60	39.60	39.90		27
28									39.50	39.55	39.95		28
29	42.80						50.32	42.46	39.75	39.50	39.70		29
30									39.75	39.55	39.65		30
31										39.50	39.65		31

E - Estimated
 NR - No Record
 NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. & B. M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 42	121 56 08	NE35 16N 1W					36-DATE	1936		0.00	USED

Staff located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Gage read by Butte Slough Irrigation Company, Ltd.

TABLE 190
DAILY MEAN GAGE HEIGHT
BUTTE CREEK NEAR CHICO

STATION NO	WATER YEAR
A41110	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	1.6	2.5	2.6	2.8	7.1	2.6	3.4	3.1	2.4	2.0	1.8	1.8	1
2	1.6	2.5	3.0	2.8	4.8	2.6	3.2	3.1	2.4	2.0	1.8	1.8	2
3	1.6	2.5	4.3	2.8	4.2	2.6	3.1	3.2	2.4	2.0	1.8	1.8	3
4	1.6	2.5	3.5	2.8	3.9	2.5	3.0	3.1	2.4	2.0	1.8	1.8	4
5	1.6	2.5	3.1	2.8	3.7	2.5	3.1	3.1	2.3	2.0	1.8	1.8	5
6	1.5	2.4	3.0	2.8	3.4	2.5	5.3	3.1	2.3	2.0	1.8	1.8	6
7	1.5	2.4	2.9	2.7	3.3	2.5	5.8	3.2	2.3	2.0	1.8	1.8	7
8	1.5	2.4	2.7	2.7	3.3	2.4	4.6	3.2	2.3	2.0	1.8	1.8	8
9	1.5	2.5	2.7	2.7	3.2	2.5	4.2	3.1	2.3	1.9	1.8	1.8	9
10	1.7	2.7	2.6	2.7	3.2	2.4	4.0	3.0	2.3	1.9	1.8	1.8	10
11	2.4	2.6	2.6	2.7	3.0	2.4	3.8	3.0	2.3	1.9	1.8	1.8	11
12	7.3	2.5	2.6	2.6	3.0	2.4	3.6	3.0	2.3	1.9	1.8	1.8	12
13	8.4	2.5	2.5	2.7	3.3	2.4	3.7	2.9	2.2	1.9	1.8	1.8	13
14	5.8	2.5	2.5	2.7	3.3	2.4	5.8	2.9	2.2	1.9	1.8	1.8	14
15	3.9	2.5	3.2	2.6	3.1	2.4	5.3	2.8	2.2	1.9	1.8	1.8	15
16	3.4	2.5	4.2	2.6	3.0	2.5	4.4	2.8	2.2	1.9	1.8	1.8	16
17	3.2	2.5	4.8	2.6	3.0	2.6	4.0	2.8	2.2	1.9	1.8	1.8	17
18	3.0	2.5	4.3	2.7	2.9	2.5	3.8	2.8	2.2	1.9	1.8	1.8	18
19	2.9	2.5	3.7	2.5	2.9	2.4	3.9	2.8	2.2	1.9	1.8	1.8	19
20	2.8	2.4	3.5	2.6	2.8	2.5	3.7	2.8	2.1	1.9	1.8	1.8	20
21	2.7	2.4	3.4	2.6	2.8	2.5	3.5	2.8	2.1	1.9	1.8	1.8	21
22	2.7	2.4	3.2	2.6	2.7	2.5	3.4	2.8	2.1	1.9	1.7	1.8	22
23	2.6	2.4	3.2	2.6	2.7	2.9	3.3	2.7	2.2	1.9	1.8	1.8	23
24	2.6	2.4	3.1	2.6	2.6	2.8	3.2	2.7	2.2	1.9	1.8	1.8	24
25	2.6	2.4	3.0	2.6	2.6	2.7	3.2	2.6	2.1	1.9	1.8	1.8	25
26	2.6	2.8	3.0	2.6	2.6	2.6	3.1	2.6	2.1	1.9	1.8	1.8	26
27	2.5	3.3	3.0	2.6	2.6	3.8	3.1	2.6	2.0	1.9	1.8	1.8	27
28	2.6	2.8	2.9	2.6	2.6	5.1	3.1	2.6	2.1	1.9	1.8	1.8	28
29	2.6	2.7	2.9	2.6	2.6	4.0	3.1	2.5	2.1	1.9	1.8	1.8	29
30	2.6	2.7	2.9	4.0	3.7	3.7	3.1	2.5	2.1	1.8	1.8	1.7	30
31	2.5		2.8	8.5	3.6	3.6		2.5		1.9	1.8		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1830	10.35	1-31-63	1830	11.68	4-7-63	0500	6.41			
12-17-62	1500	5.27	3-27-63	2350	6.68	4-14-63	1230	7.17			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 43 34	121 42 28	NW36 22N 2E	18700	13.35	12/22/55	NOV 30-DATE	NOV 30-DATE				

Station located 0.7 mi. below Little Butte Creek, 7.5 mi. E of Chico. Flow slightly regulated by storage in Magalia Reservoir. Considerable importations above station from West Branch Feather River via powerplants. Records furnished by USGS. Drainage area is 148 sq. mi.

TABLE 191

DAILY MEAN GAGE HEIGHT
CHEROKEE CANAL NEAR RICHVALE

STATION NO	WATER YEAR
A02984	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	3.06	3.31	3.25	3.47	6.52	3.44	4.54	3.60	3.75	3.53	3.72	3.67	1
2	2.38	3.28	3.36	3.47	5.23	3.44	4.06	3.55	3.78	3.51	3.74	3.72	2
3	2.14	3.23	3.94	3.46	4.74	3.42	3.91	3.46	3.69	3.52	3.73	3.75	3
4	2.29	3.19	3.80	3.43	4.24	3.37	3.86	3.45	3.66	3.55	3.77	3.79	4
5	2.14	3.26	3.57	3.39	3.94	3.36	4.07	3.49	3.72	3.52	3.75	3.52	5
6	2.03	3.24	3.50	3.39	3.72	3.36	6.46	3.59	3.72	3.48	3.73	3.20	6
7	2.09	3.24	3.45	3.37	3.86	3.36	6.67	3.75	3.77	3.47	3.69	3.14	7
8	2.06	3.24	3.41	3.38	3.86	3.36	5.35	3.78	3.73	3.59	3.69	3.07	8
9	2.05	3.27	3.35	3.43	4.13	3.38	4.81	3.84	3.72	3.52	3.70	3.16	9
10	2.06	3.32	3.35	3.39	5.36	3.36	4.89	3.77	3.68	3.51	3.77	3.22	10
11	2.10	3.23	3.33	3.32	4.27	3.32	4.88	4.01	3.73	3.48	3.79	3.23	11
12	6.00	3.21	3.32	3.33	4.10	3.27	4.30	3.94	3.72	3.49	3.70	3.42	12
13	11.34	3.20	3.29	3.30	6.56	3.24	4.83	3.76	3.70	3.45	3.75	3.49	13
14	8.29	3.20	3.29	3.26	6.54	3.25	7.75	3.68	3.85	3.36	3.83	3.62	14
15	6.03	3.19	4.70	3.23	5.32	3.33	6.44	3.58	3.85	3.35	3.76	3.64	15
16	5.19	3.18	6.29	3.21	4.63	4.04	5.41	3.48	3.82	3.35	3.71	3.69	16
17	4.66	3.17	7.36	3.09	5.15	4.61	4.83	3.28	3.79	3.43	3.71	3.44	17
18	4.20	3.18	6.37	3.17	4.51	3.83	4.45	3.00	3.86	3.69	3.67	3.30	18
19	3.96	3.17	5.08	3.17	4.12	3.63	5.66	3.35	3.89	3.65	3.61	3.29	19
20	3.79	3.17	4.44	3.16	3.87	3.56	5.25	3.77	3.80	3.67	3.57	3.25	20
21	3.70	3.21	4.16	3.08	3.75	3.52	4.94	3.98	3.79	3.71	3.63	3.26	21
22	3.62	3.17	4.00	3.21	3.68	3.47	4.39	4.01	3.79	3.71	3.70	3.50	22
23	3.55	3.16	3.90	3.24	3.71	3.88	4.17	3.91	3.76	3.71	3.67	3.62	23
24	3.51	3.15	3.82	3.17	3.71	3.86	3.97	3.60	3.79	3.68	3.67	3.55	24
25	3.47	3.15	3.68	3.17	3.66	3.63	3.92	3.68	3.78	3.71	3.68	3.16	25
26	3.45	3.51	3.61	3.16	3.49	3.44	3.96	3.66	3.73	3.59	3.66	2.77	26
27	3.41	4.97	3.58	3.16	3.46	4.64	3.87	3.68	3.63	3.43	3.67	2.79	27
28	3.37	3.72	3.56	3.16	3.46	7.64	3.78	3.62	3.51	3.34	3.72	2.81	28
29	3.35	3.43	3.53	3.21		5.72	3.70	3.57	3.52	3.52	3.65	2.93	29
30	3.34	3.30	3.50	6.42		4.93	3.65	3.64	3.55	3.66	3.62	2.74	30
31	3.32		3.47	7.71		4.47		3.71		3.68	3.63		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1940	13.80	1-30-63	1810	9.06	3-28-63	0310	9.38	4-14-63	1140	10.13
12-17-62	1730	8.02	2-14-63	0850	8.31	4-7-63	0350	7.59			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	15200 E	13.80	10/13/62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located on Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

TABLE 192

DAILY MEAN GAGE HEIGHT

BUTTE SLOUGH AT OUTFALL GATES

STATION NO	WATER YEAR
A02967	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	38.71	40.80	41.50	45.47	NR	NR	50.05	48.19	42.20	42.52	42.22	42.02	1
2	38.52	40.65	41.11	45.30	NR	NR	50.01	47.51	41.81	42.32	42.44	42.00	2
3	38.28	40.45	41.17	45.09	NR	NR	48.96	47.14	41.62	42.24	42.46	42.07	3
4	38.07	40.06	43.81	44.90	NR	NR	47.83	46.72	41.77	42.10	41.98	41.88	4
5	37.83	39.71	45.57	44.64	NR	NR	46.92	46.33	41.72	41.85	42.19	41.81	5
6	37.59	39.58	45.21	44.38	NR	45.54	46.53	46.03	41.72	41.79	42.49	41.80	6
7	37.49	39.78	43.80	44.22	NR	44.12	48.43	45.80	42.30	41.86	42.44	41.59	7
8	37.43	39.69	43.06	44.33	NR	42.68	50.08	45.59	42.39	42.00	42.32	41.56	8
9	38.36	39.59	42.84	44.14	NR	41.66	NR	46.30	42.42	42.01	42.36	41.75	9
10	38.97	39.47	42.56	43.87	NR	41.16	NR	47.04	42.30	41.88	42.47	41.93	10
11	39.14	39.43	42.24	43.45	NR	40.84	NR	47.49	42.20	41.85	42.28	42.07	11
12	41.68	39.52	42.07	42.88	NR	40.53	NR	47.61	42.25	41.88	42.03	42.25	12
13	NR	39.59	41.92	42.41	NR	40.29	NR	47.64	42.34	41.93	42.06	42.55	13
14	NR	39.59	41.88	42.06	NR	40.02	NR	47.56	42.32	41.83	42.00	42.80	14
15	NR	39.55	41.99	41.89	NR	39.86	NR	47.39	42.28	41.88	41.89	42.95	15
16	NR	39.55	43.07	41.76	NR	39.83	NR	47.22	42.37	42.02	41.77	43.03	16
17	NR	39.77	46.29	41.62	NR	40.29	NR	46.93	42.33	42.00	41.93	43.02	17
18	NR	39.83	47.93	41.43	NR	40.84	NR	46.46	42.26	41.89	42.02	42.79	18
19	NR	39.75	51.03	41.23	NR	40.50	NR	45.98	42.23	42.05	42.15	42.84	19
20	49.59	39.72	52.31	41.03	NR	40.37	NR	45.61	42.16	42.31	42.40	42.93	20
21	48.21	39.49	51.70	40.81	NR	40.07	NR	45.38	42.15	42.26	42.25	43.02	21
22	46.97	39.24	50.73	40.68	NR	39.69	NR	45.12	42.12	42.11	42.22	42.99	22
23	45.99	39.00	49.72	40.60	NR	39.57	NR	44.84	42.05	42.00	42.23	42.96	23
24	45.08	38.85	48.83	40.55	NR	39.78	NR	44.78	42.21	42.10	42.23	42.91	24
25	44.10	38.73	48.09	40.47	NR	40.61	NR	44.45	42.34	42.29	42.33	42.80	25
26	43.15	38.70	47.51	40.39	NR	41.07	NR	43.87	42.45	42.30	42.31	42.65	26
27	42.43	39.18	47.03	40.35	NR	40.70	NR	43.24	42.39	42.34	42.12	42.56	27
28	41.90	43.05	46.58	40.25	NR	43.50	NR	42.86	42.00	42.21	41.90	42.43	28
29	41.56	43.17	46.27	40.26		47.82	49.20	42.66	41.99	42.17	41.84	42.27	29
30	41.22	42.20	45.95	40.74		49.05	48.74	42.64	42.55	42.14	41.93	42.11	30
31	40.98		45.67	45.40		49.63		42.56		42.29	41.88		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 8 JAN 39-DATE	JUN 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts.

8 - Irrigation season only.

TABLE 193

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT MERIDIAN

STATION NO	WATER YEAR
AQ2380	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	35.36	37.72	38.79	43.36	55.79	46.41	50.25	46.29	39.74	37.34	36.72	37.46	1
2	35.32	37.63	38.43	43.20	58.31	46.20	48.98	45.34	39.31	37.37	36.80	37.56	2
3	35.06	37.50	38.53	42.93	57.92	45.96	46.47	44.89	38.98	37.53	37.14	37.71	3
4	34.95	37.15	45.51	42.74	56.38	45.75	44.49	44.38	38.67	37.57	37.31	37.79	4
5	34.88	36.93	46.67	42.45	55.23	45.04	43.33	43.93	38.50	37.59	37.31	37.78	5
6	34.73	36.75	43.51	42.14	53.68	43.45	43.00	43.51	38.34	37.52	37.31	37.94	6
7	34.65	36.75	41.62	41.90	52.00	41.65	51.75	43.21	38.12	37.49	37.35	38.15	7
8	34.59	36.68	40.70	41.85	51.17	39.94	56.57	42.84	37.95	37.48	37.32	38.31	8
9	34.59	36.60	40.49	41.61	50.67	38.98	56.26	43.98	37.86	37.45	37.40	38.56	9
10	34.64	36.54	40.29	41.27	51.56	38.54	55.81	45.48	37.77	37.45	37.35	38.89	10
11	35.24	36.53	40.03	40.81	55.48	38.26	56.22	46.76	37.65	37.39	37.40	39.09	11
12	39.05	36.59	39.82	40.31	55.61	37.88	57.35	47.23	37.57	37.30E	37.38	39.25	12
13	NR	36.55	39.67	39.81	55.05	37.62	57.66	47.16	37.49	37.27E	37.33	39.47	13
14	56.91	36.51	39.60	39.40	55.93	37.42	57.60	46.76	37.42	37.25E	37.24	39.67	14
15	56.03	36.46	39.67	39.18	55.39	37.30	58.32	46.39	37.33	37.22E	37.15	39.82	15
16	51.88	36.42	40.94	39.09	54.32	37.28	59.03	46.04	37.56	37.13E	37.16	39.95	16
17	47.60	36.44	48.07	38.92	53.06	37.89	58.58	45.47	37.65	37.01	37.24	39.98	17
18	44.80	36.42	54.77	38.73	53.09	38.14	58.03	45.12	37.60E	37.00	37.35	39.92	18
19	43.13	36.39	56.01	38.59	52.20	37.70	57.25	44.92	37.46E	36.97E	37.29	39.99	19
20	41.87	36.36	53.36	38.44	51.10	37.46	56.77	44.71	37.28E	37.00	37.32	40.08	20
21	40.93	36.33	50.51	38.29	49.60	37.12	56.76	44.65	37.04	37.09	37.39	40.15	21
22	40.38	36.28	48.60	38.17	48.03	36.78	56.22	44.46	36.85	37.03	37.37	40.17	22
23	39.93	36.22	47.25	38.08	47.19	36.72	55.75	43.84	37.01E	37.04	37.17	40.04	23
24	39.58	36.16	46.32	38.02	47.46	37.21	55.14	43.09	37.16E	36.89	37.15	40.04	24
25	39.22	36.11	45.55	37.91	47.35	38.33	53.85	42.45	37.17E	36.84	37.21	40.09	25
26	38.90	36.10	44.98	37.86	47.11	38.16	52.26	41.76	37.11E	36.86	37.23	40.00	26
27	38.64	36.45	44.54	37.80	46.89	37.65	51.19	41.03	37.07	36.85	37.25	39.95	27
28	38.41	40.71	44.20	37.75	46.64	42.20	49.92	40.58	37.09	36.91	37.23	39.91	28
29	38.24	40.76	43.93	37.74		54.91	48.35	40.29	37.24	36.92	37.03	39.82	29
30	38.10	39.49	43.72	38.12		54.75	47.16	40.19	37.26E	36.89	37.03	39.69	30
31	37.87		43.51	45.02		51.72		40.10		36.77	37.27		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	1800	57.14	12- 4-62	2235	48.00	2- 2-63	1935	58.69	3-29-63	1755	55.87
11-28-62	0650	41.63	12-19-62	0315	56.56	2-14-63	1210	56.16	4- 8-63	2155	56.81

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 08 42	121 55 00	SE13 15N 1W		64.4	3/1/40	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian.

8 - Irrigation season only.

TABLE 194

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 PUMPING PLANT
in feet

STATION NO	WATER YEAR
A02320	1963

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	30.4	32.9	35.2	39.2	49.5	42.5	46.9	42.7	34.9	32.6	31.1	32.1	1
2	30.4	32.7	33.9	38.9	51.7	42.2	46.1	41.5	34.8	32.7	31.1	32.1	2
3	30.3	32.5	33.6	38.8	52.0	42.0	43.7	40.8	34.7	32.8	31.3	32.4	3
4	30.0	32.3	37.8	38.6	51.0	41.7	41.3	40.0	34.6	32.8	31.7	32.6	4
5	30.0	32.0	43.7	38.0	50.4	41.3	39.8	39.5	34.6	32.0	31.8	32.6	5
6	29.9	31.8	40.6	37.8	49.6	39.9	38.5	38.9	34.5	32.0	31.8	32.6	6
7	29.7	31.8	38.0	37.0	48.5	39.0	43.4	38.7	34.3	32.0	31.8	33.0	7
8	29.7	31.7	36.2	36.8	47.8	37.0	49.5	38.5	33.5	32.0	31.8	33.2	8
9	29.6	31.6	35.8	36.6	47.3	34.0	50.9	38.6	33.4	32.0	31.8	33.4	9
10	29.6	31.6	35.4	36.5	47.2	33.5	50.4	39.8	33.3	32.0	31.8	33.8	10
11	29.8	31.5	35.2	36.4	49.8	33.2	50.4	42.0	33.3	31.9	31.9	NR	11
12	32.0	31.6	35.0	36.2	50.5	32.8	51.2	42.5	33.2	31.8	31.8	NR	12
13	41.7	31.6	34.8	35.8	50.0	32.5	51.5	42.8	33.1	31.7	31.8	NR	13
14	50.8	31.6	34.7	34.8	50.5	32.3	51.4	42.5	33.0	31.7	31.7	NR	14
15	51.0	31.5	34.9	34.4	50.4	32.1	51.6	42.0	32.5	31.7	31.5	NR	15
16	49.2	31.5	37.0	34.0	49.9	32.2	52.4	41.7	32.9	31.6	31.6	NR	16
17	45.8	31.5	41.4	34.0	49.0	32.3	52.1	41.0	33.3	31.5	31.7	NR	17
18	42.6	31.7	48.7	33.9	48.8	33.1	51.8	40.5	33.3	31.4	31.8	NR	18
19	40.6	31.4	49.7	33.7	48.5	32.9	51.5	40.3	33.2	31.4	31.8	NR	19
20	39.2	31.4	49.4	33.7	47.8	32.5	51.0	40.0	33.0	31.4	31.7	NR	20
21	38.0	31.4	47.5	33.6	46.6	32.2	51.1	39.9	32.9	31.5	31.8	NR	21
22	36.2	31.3	45.5	33.4	44.9	31.8	50.8	39.9	32.4	31.5	31.9	NR	22
23	35.8	31.3	44.0	33.3	43.5	31.9	50.5	39.3	32.4	31.4	31.6	NR	23
24	35.5	31.2	42.9	33.2	43.6	31.7	50.2	38.7	32.3	31.4	31.6	NR	24
25	35.3	31.2	41.9	33.2	43.5	33.0	49.5	38.2	32.3	31.2	31.7	NR	25
26	34.5	31.1	41.2	33.1	43.3	33.4	48.5	37.7	32.3	31.2	31.7	NR	26
27	34.3	31.2	40.5	33.0	43.0	32.9	47.7	36.4	32.3	31.2	31.8	NR	27
28	33.6	34.1	40.3	33.0	42.9	32.8	46.8	36.0	32.3	31.3	31.9	NR	28
29	33.4	36.8	40.0	33.0		48.6	45.2	35.6	32.4	31.3	31.7	NR	29
30	33.2	36.0	39.6	32.9		50.1	43.8	35.0	32.6	31.3	31.5	NR	30
31	32.8		39.3	34.9		48.3		35.0		31.2	31.6		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 04 08	121 51 43	NE16 14N 1E					25-DATE			0.00	USED

Staff located at district pumping plant, 1.7 mi. E of Grimes. Gage read daily by pump operators.

TABLE 195

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT TISDALE WEIR

STATION NO	WATER YEAR
A02301	1963

IN FEET

DAY	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					47.52A		45.56A						1
2					48.68								2
3					48.63								3
4					48.12								4
5					47.74								5
6					47.20								6
7					46.55		46.88A						7
8					46.08		47.08						8
9					45.73		47.86						9
10					45.99		47.70						10
11					47.57		47.78						11
12					47.74		48.05						12
13	46.89A				47.57		48.21						13
14	48.07				47.82		48.16						14
15	48.08				47.72		48.35						15
16	46.82				47.34		48.62						16
17	45.55A				46.86		48.50						17
18			47.15A		46.79		48.34						18
19			47.74		46.48		48.08						19
20			47.02		45.91A		47.97						20
21			45.98A				47.92						21
22							47.81						22
23							47.67						23
24							47.48						24
25							46.99						25
26							46.41						26
27							45.81						27
28							45.48A						28
29						47.11A							29
30						47.26							30
31						46.29							31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0020	48.29	2- 3-63	0100	48.86	2-14-63	1700	47.86	4- 9-63	0500	47.94
12-19-62	0630	47.83	2-12-63	0120	47.81	3-29-63	2130	47.49	4-16-63	0900	48.70

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E		53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located W of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (Elev. 45.45 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

TABLE 196

DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER BELOW WILKINS SLOUGH

STATION NO	WATER YEAR
A02280	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	28.4	31.0	32.3	37.1	NR	40.4	44.7	40.4	32.3 E	28.9	28.2	29.5	1
2	28.3	30.8	31.8	36.9	NR	40.1	43.7	39.3	31.8 E	29.0	28.3	29.7	2
3	28.1	30.7	31.7	36.7	NR	39.8	41.3	38.6	31.4 E	29.2	28.6	29.9	3
4	27.9	30.4	37.3	36.4	47.7	39.5	39.1	37.9	30.9	29.3	29.0	30.1	4
5	27.8	30.1	41.0	36.1	47.3	39.0	37.6	37.4	30.4	29.4	29.0	30.2	5
6	27.7	29.8	37.8	35.8	46.8	37.5	36.8	36.9	30.2	29.3	29.0	30.4	6
7	27.6	29.8	35.9	35.5	46.1	35.6	43.4	36.6	29.9	29.3	29.0	30.6	7
8	27.5	29.7	34.6	35.4	45.6	33.6	47.4	36.1	29.7	29.3	29.1	30.7	8
9	27.4	29.6	34.1	35.2	45.2	32.2	47.4	36.7	29.6	29.3	29.2	31.0	9
10	27.5	29.6	34.0	34.9	45.5	31.4	47.3	38.2	29.4	29.2	29.2	31.5	10
11	27.8	29.5	33.7	34.4	47.1	31.0	47.4	39.7	29.4	29.2	29.2	31.8	11
12	30.6	29.6	33.4	33.9	47.3	30.7	47.7	40.4	29.2	29.1	29.2	32.2	12
13	NR	29.6	33.2	33.3	47.1	30.4	47.9	40.5	29.1	29.0	29.1	32.5	13
14	NR	29.5	33.1	32.8	47.4	30.2	47.8	40.1	28.9	29.0	29.0	32.8	14
15	NR	29.5	33.1	32.5	47.3	30.0	48.0	39.6	28.9	29.0	28.9	33.0	15
16	NR	29.4	33.8	32.3	46.9	30.0	48.4	39.2	29.0	28.9	28.9	33.2	16
17	43.4	29.4	40.2	32.2	46.4	30.4	48.3	38.5	29.3	28.7	29.0	33.3	17
18	40.7	29.4	46.0	32.0	46.3	31.0	48.1	38.1	29.2	28.7	29.2	33.2	18
19	38.8	29.4	47.1	31.8	46.0	30.7	47.8	37.9	29.0	28.6	29.2	33.3	19
20	37.0	29.4	46.4	31.6	45.4	30.3	47.6	37.6	28.8	28.7	29.1	33.3	20
21	35.5	29.3	45.0	31.5	44.1	30.0	47.6	37.6	28.6	28.8	29.2	33.4	21
22	34.5	29.3	43.2	31.3	42.5	29.6	47.4	37.6	28.2	28.8	29.3	33.5	22
23	33.9	29.2	41.8	31.2	41.4	29.5	47.2	37.1	28.3	28.7	29.0	33.4	23
24	33.4	29.2	40.7	31.2	41.5	29.7	47.0	36.4	28.5	28.6	29.0	33.4	24
25	32.9	29.1	39.7	31.1	41.4	31.0	46.6	35.6	28.6	28.5	29.1	33.4	25
26	32.5	29.1	39.0	31.1	41.1	31.3	46.0	34.9 E	28.6	28.4	29.2	33.4	26
27	32.2	29.2	38.5	31.0	40.9	30.8	45.4	34.4 E	28.5	28.4	29.2	33.3	27
28	31.8	32.9	38.1	30.9	40.6	33.3	44.4	34.0 E	28.5	28.5	29.2	33.2	28
29	31.6	34.4	37.8	30.9		45.7	42.8	33.6 E	28.7	28.5	29.0	33.2	29
30	31.4	33.2	37.5	31.3		46.8	41.4	33.2 E	28.8	28.4	28.9	33.0	30
31	31.2		37.2	36.5		45.8		32.8 E		28.3	29.2		31

CREST STAGES								
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-19-62	0800	47.20	3-29-63	2400	47.00			
2-3-63	0200	48.8 E	4-16-63	0900	48.49			

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 00 35	121 49 25	NE 2 13N 1E	28900	51.41	2/27/58	APR 31-OCT 38 8 JAN 39-DATE	AUG 31-DATE	1931		0.00	USED

Station located 0.3 mi. below Wilkins Slough pumping plant of Reclamation District 108, 1.3 mi. below Tisdale Weir, 6 mi. SE of Grimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE 197

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER NEAR ROUGH & READY BEND

STATION NO	WATER YEAR
A02933	1963

in feet

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	20.8	24.0	25.3	29.3	40.7	32.4	38.1	34.2	26.8	21.6	20.5	22.2	1
2	20.7	23.6	24.6	29.2	42.8	32.4	36.9	33.4	26.1	21.6	20.6	22.5	2
3	20.6	23.6	24.4	29.1	42.3	32.0	36.0	32.8	25.4	21.8	20.9	22.5	3
4	20.5	23.5	28.2	28.5	41.6	31.9	32.9	32.4	24.9	21.8	21.3	22.6	4
5	20.4	23.0	34.1	28.4	41.2	31.0	31.4	32.0	24.2	22.2	21.4	22.9	5
6	20.2	22.8	32.3	28.2	40.4	29.8	32.2	31.8	23.7	22.0	21.4	23.2	6
7	20.0	22.8	29.8	27.9	39.8	29.0	37.2	31.6	23.4	22.0	21.4	23.4	7
8	19.8	22.7	28.3	27.7	39.5	26.4	40.8	31.3	23.2	21.9	21.4	23.6	8
9	19.7	22.5	27.1	27.6	39.0	25.7	41.1	31.6	22.9	22.0	21.6	23.9	9
10	19.9	22.5	26.9	27.2	39.3	24.8	41.0	32.7	22.8	21.9	21.6	24.4	10
11	21.2	22.3	26.5	27.0	40.0	24.0	41.0	33.6	22.8	21.8	21.7	24.8	11
12	25.2	22.6	26.1	26.4	40.2	23.5	41.1	34.0	22.7	21.6	21.6	25.2	12
13	46.9	22.6	25.9	25.8	40.4	23.3	41.2	34.0	22.5	21.6	21.6	25.5	13
14	41.6	22.4	25.7	25.4	40.6	23.1	41.4	33.5	22.4	21.5	21.4	25.8	14
15	42.2	22.3	25.2	25.0	40.4	23.0	41.8	32.9	22.2	21.5	21.3	26.1	15
16	40.6	22.3	28.3	24.8	40.1	22.9	42.0	32.3	22.2	21.4	21.3	26.2	16
17	38.4	22.3	33.8	24.7	39.7	23.4	41.9	31.8	22.3	21.2	21.4	26.2	17
18	36.3	22.3	39.4	24.5	39.4	23.8	41.7	31.4	22.3	21.1	21.6	26.2	18
19	35.3	22.2	39.6	24.3	38.8	23.7	41.4	31.3	22.2	21.1	21.6	26.1	19
20	33.0	22.2	39.2	24.2	38.0	23.2	41.2	31.2	21.9	21.1	21.6	26.1	20
21	30.4	22.1	38.8	24.0	36.8	22.8	41.1	31.4	21.6	21.2	21.6	26.1	21
22	29.0	22.0	37.6	23.9	35.3	22.6	40.8	31.4	21.2	21.2	21.6	26.1	22
23	27.7	22.0	35.1	23.8	34.3	22.5	40.6	31.0	21.2	21.0	21.6	26.0	23
24	27.0	22.0	34.3	23.7	33.9	23.4	40.4	30.4	21.4	20.9	21.6	26.0	24
25	26.5	21.9	33.0	23.8	33.8	23.9	40.0	29.6	21.4	20.9	21.6	26.0	25
26	26.3	21.8	31.8	23.9	33.4	24.4	39.5	29.0	21.4	20.8	21.6	25.8	26
27	25.3	21.9	31.5	23.6	33.2	24.4	38.8	28.3	21.4	20.8	21.7	25.6	27
28	25.0	23.4	30.8	23.6	33.0	30.2	37.8	27.8	21.4	20.9	21.8	25.6	28
29	24.6	26.8	30.2	23.7		39.4	36.4	27.6	21.4	20.9	21.9	25.5	29
30	24.5	26.5	29.9	24.6		39.4	35.2	27.4	21.5	20.8	21.9	25.1	30
31	24.1		29.7	31.7		38.9		27.2		20.6	22.0		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 51 45	121 47 29	NE30 12N 2E					MAR 37-DATE	1937		0.00	USED

Staff located at Reclamation District 108 drainage pumping plant, 4.5 mi. E of Robbins. Gage read twice daily during periods of pump operation and daily when pumps not in operation by pump operators.

TABLE 198
DAILY MEAN GAGE HEIGHT
COLUSA BASIN DRAIN AT HIGHWAY 20

STATION NO	WATER YEAR
A02916	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	NR	37.79	38.23	47.65	38.57	39.81	40.20	43.70	40.60	40.30	42.70	1
2	NR	NR	37.78	38.18	47.20	38.40	39.68	40.13	43.40	40.33	40.16	42.85	2
3	NR	NR	37.82	38.25	45.59	38.28	39.48	39.92	43.22	40.51	40.41	42.92	3
4	NR	NR	37.76	38.17	43.28	NR	39.66	39.76	42.89	40.63	40.80	43.19	4
5	NR	NR	37.82	38.11	41.40	NR	39.66	39.60	42.31	40.81	41.07	43.26	5
6	NR	NR	37.77	38.33	40.49	NR	39.60	39.19	42.13	40.90	40.98	43.80	6
7	NR	NR	37.78	38.53	39.67	38.05	40.09	39.07	41.80	40.90	40.96	44.05	7
8	NR	NR	37.80	38.68	39.58	38.04	40.15	39.01	41.76	40.97	40.96	43.97	8
9	NR	NR	37.78	38.73	39.75	38.00	39.99	39.57	41.95	41.17	41.65	43.87	9
10	NR	NR	37.82	38.52	44.25	37.94	39.91	39.88	42.28	41.11	41.39	44.12	10
11	NR	NR	37.79	38.21	45.26	37.93	39.81	40.99	41.67	41.04	41.54	44.38	11
12	NR	NR	37.76	38.00	44.47	37.91	39.77	41.54	41.54	40.84	41.52	44.50	12
13	NR	NR	37.84	38.05	47.20	NR	39.96	41.42	41.30	40.75	41.37	44.81	13
14	NR	NR	37.79	38.08	47.59	NR	40.16	41.02	41.40	40.63	41.21	44.93	14
15	NR	NR	37.91	38.20	46.94	NR	45.09	40.07	41.34	40.58	41.34	44.55	15
16	NR	NR	38.03	38.15	45.93	NR	43.74	39.36	41.16	40.44	41.46	44.32	16
17	NR	NR	40.12	38.08	44.33	NR	41.04	39.24	41.10	40.24	41.37	44.12	17
18	NR	NR	43.28	38.01	42.94	NR	39.99	39.65	40.94	40.32	41.54	43.67	18
19	NR	NR	42.11	37.97	41.65	NR	40.41	39.98	40.27	40.32	41.57	43.22	19
20	NR	NR	40.58	37.92	40.71	37.90	40.25	40.44	39.90	40.36	41.56	42.73	20
21	NR	NR	39.82	37.92	40.08	37.98	39.99	40.98	39.74	40.47	41.60	42.37	21
22	NR	37.95	39.39	37.90	39.70	37.92	39.46	41.31	39.90	40.85	41.61	42.12	22
23	NR	37.94	39.31	37.89	39.50	38.43	39.26	41.96	40.17	40.82	41.72	41.67	23
24	NR	37.89	39.07	37.87	39.13	39.23	38.88	42.54	40.23	40.66	42.04	41.19	24
25	NR	37.87	38.75	37.85	38.89	39.41	38.98	42.64	40.48	40.76	42.21	40.29	25
26	NR	37.93	38.59	37.81	39.07	39.41	40.15	42.82	40.72	40.31	42.42	39.97	26
27	NR	37.99	38.58	37.78	38.98	39.67	41.62	42.96	40.13	40.05	42.44	39.79	27
28	NR	37.90	38.58	37.78	38.76	41.04	40.95	43.49	40.03	39.60	42.35	39.72	28
29	NR	37.88	38.49	37.82	40.90	40.58	43.61	39.84	39.85	39.85	42.45	39.47	29
30	NR	37.84	38.45	39.80	40.35	40.28	43.61	40.22	39.94	39.94	42.66	39.60	30
31	NR		38.26	45.94		39.85		43.64		40.05	42.72		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-18-62	1235	43.56	2-14-63	0145	47.78	4-15-63	0855	45.28			
2-1-63	0745	47.83	3-28-63	1600	41.57						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 44	122 03 34	NE34 16N 2W	25400 E	51.93	2/21/58	6/24-12/40 E 5/41-DATE	6/24-12/40 E 5/41-DATE	1957	1957	37.09 0.00	USED

Station located at State Highway 20 bridge, 3.0 mi. W of Colusa. Flow is return water in main drain of Reclamation District 2047, chiefly drainage from irrigation districts.

E - Irrigation season only.

TABLE 199

DAILY MEAN GAGE HEIGHT

COLUSA BASIN DRAIN NEAR COLLEGE CITY

STATION NO	WATER YEAR
A00180	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	25.84	24.55	24.36	25.50	34.23	26.17	27.09	27.13	29.04	26.14	25.91	27.99	1
2	25.34	24.54	24.23	25.31	34.09	26.02	27.03	27.15	28.89	26.01	25.92	28.10	2
3	25.05	24.49	24.33	25.18	33.78	25.79	26.79	27.04	28.63	26.02	26.00	28.14	3
4	25.12	24.45	24.24	25.06	33.14	25.75	26.80	26.98	28.50	26.30	26.28	28.29	4
5	24.99	24.61	24.26	24.87	32.29	25.73	27.01	26.77	27.94	26.36	26.56	28.47	5
6	24.94	24.57	24.30	24.85	31.39	25.66	27.08	26.60	27.75	26.51	26.50	28.75	6
7	24.96	24.58	24.27	24.99	30.25	25.30	27.09	26.34	27.56	26.49	26.53	29.11	7
8	24.87	24.56	24.30	25.00	29.08	24.72	27.56	26.20	27.39	26.50	26.48	29.28	8
9	24.87	24.58	24.35	25.08	28.10	24.55	28.16	26.29	27.47	26.70	26.93	29.23	9
10	25.08	24.58	24.34	24.97	29.63	24.49	28.02	26.64	27.71	26.71	26.93	29.35	10
11	25.52	24.56	24.35	24.79	31.16	24.47	27.63	27.15	27.69	26.59	26.94	29.54	11
12	26.84	24.48	24.38	24.56	30.88	24.46	27.38	27.80	27.44	26.42	27.02	29.62	12
13	31.40	24.44	24.43	24.54	32.52	24.41	27.33	27.95	27.18	26.32	26.85	29.90	13
14	33.13	24.50	24.46	24.54	32.77	24.41	28.40	27.72	27.05	26.25	26.73	30.14	14
15	33.68	24.34	24.46	24.67	32.57	24.42	30.76	27.20	27.07	26.18	26.75	29.99	15
16	33.31	24.31	24.68	24.69	32.24	24.40	30.86	26.50	26.97	26.13	26.92	29.74	16
17	32.50	24.37	25.52	24.63	31.56	24.48	29.97	26.02	26.73	25.99	26.89	29.49	17
18	31.59	24.42	28.45	24.56	30.69	24.46	29.33	25.97	26.70	26.09	27.01	29.33	18
19	30.65	24.54	29.05	24.50	29.71	24.34	29.03	26.18	26.21	26.14	27.10	28.89	19
20	29.65	24.50	28.13	24.42	28.60	24.35	28.57	26.37	25.88	26.12	26.96	28.53	20
21	28.52	24.48	27.34	24.41	27.76	24.49	28.08	26.82	25.66	26.13	26.96	28.18	21
22	27.36	24.44	26.90	24.40	27.14	24.42	27.40	27.23	25.66	26.38	26.99	27.90	22
23	26.38	24.44	26.72	24.39	26.88	24.62	26.94	27.69	25.87	26.50	27.15	27.63	23
24	25.68	24.41	26.41	24.36	26.70	25.50	26.82	28.30	26.02	26.36	27.29	27.18	24
25	25.15	24.36	26.34	24.35	26.48	25.61	26.58	28.62	26.05	26.31	27.50	26.38	25
26	24.87	24.39	26.24	24.30	26.40	25.70	26.77	28.70	26.32	26.11	27.72	25.84	26
27	24.75	24.55	26.20	24.23	26.27	25.93	27.83	28.63	26.09	25.93	27.75	25.61	27
28	24.73	24.54	26.16	24.18	26.28	26.83	27.85	28.85	25.80	25.80	27.70	25.56	28
29	24.72	24.47	26.13	24.18	26.18	27.49	27.45	29.08	25.69	25.75	27.68	25.47	29
30	24.74	24.43	26.04	26.12	26.12	27.58	27.43	29.12	25.86	25.85	27.84	25.47	30
31	24.64		25.76	32.22		27.27		29.13		25.77	27.93		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	1710	33.80	2-1-63	0300	34.31	4-15-63	0935	31.07			
12-19-62	0250	29.27	2-14-63	0245	32.80						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 00 38	121 58 38	NE 4 13N 1W				OCT 44-APR 52	OCT 44-APR 52	1957	1957	-0.34	USED
						MAR 54-FEB 58	MAR 54-FEB 58			0.00	USED
							JUN 58-DATE				

Station located 0.1 mi below highway bridge, 1.7 mi. E of College City. Flow is drainage chiefly from lands irrigated by Glenn-Colusa, Provident, Princeton-Codora-Glenn, Compton-Delevan, and Maxwell, Irrigation Districts. Backwater from Knights Landing Outfall Gates at times affects stage-discharge relationship. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 200
DAILY MEAN GAGE HEIGHT
COLUSA BASIN DRAIN AT KNIGHTS LANDING

STATION NO	WATER YEAR
A02945	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	24.08	21.00	21.96	25.29	30.79	25.94	26.35	26.38	25.64	24.55	24.53	24.05	1
2	23.87	20.79	21.57	25.13	32.69	25.88	26.31	26.38	25.26	24.54	24.54	24.05	2
3	23.43	20.71	21.51	24.99	31.93	25.81	26.26	26.34	24.68	24.54	24.54	24.04	3
4	23.08	20.54	22.05	24.74	31.25	25.71	26.22	26.29	24.46	24.54	24.54	24.05	4
5	22.81	20.36	22.54	24.49	30.53	25.68	26.25	26.23	24.56	24.53	24.55	24.06	5
6	22.64	20.30	22.96	24.35	29.78	25.63	26.30	26.15	24.56	24.55	24.55	24.06	6
7	23.18	20.26	23.34	24.14	29.01	25.00	26.34	26.02	24.56	24.51	24.54	24.06	7
8	23.58	20.23	23.63	23.94	28.15	23.78	26.94	25.89	24.59	24.53	24.54	24.24	8
9	23.92	20.20	23.82	23.83	27.35	22.55	27.72	25.87	24.56	24.53	24.56	24.26	9
10	24.09	20.23	23.55	23.67	27.50	21.67	27.44	26.03	24.58	24.53	24.53	24.27	10
11	24.26	20.18	23.13	23.44	28.14	21.06	27.05	26.20	24.58	24.54	24.56	24.13	11
12	23.50	20.18	22.79	22.97	28.19	20.69	26.78	26.50	24.58	24.52	24.55	24.24	12
13	26.69	20.13	22.51	22.45	28.55	20.43	26.68	26.67	24.58	24.53	24.54	24.43	13
14	30.58	20.09	22.25	21.99	28.85	20.24	27.12	26.63	24.56	24.52	24.55	24.56	14
15	32.19	20.14	22.13	21.66	28.97	20.14	28.50	26.44	24.55	24.52	24.55	24.84	15
16	31.44	20.10	22.56	21.55	28.97	20.11	29.22	26.11	24.56	24.52	24.55	24.78	16
17	30.79	20.02	23.41	21.43	28.89	20.39	29.24	25.81	24.52	24.54	24.56	24.60	17
18	30.17	20.06	25.61	21.28	28.60	20.68	28.93	25.67	24.55	24.54	24.54	24.44	18
19	29.58	20.07	27.24	21.14	28.14	20.64	28.51	25.69	24.56	24.53	24.54	24.24	19
20	28.87	20.19	27.06	20.88	27.53	20.68	28.73	25.77	24.58	24.55	24.54	23.97	20
21	27.99	20.22	26.69	20.78	26.98	21.25	27.46	26.00	24.56	24.53	24.54	23.70	21
22	26.78	20.21	26.42	20.67	26.62	21.61	26.91	26.22	24.57	24.55	24.55	23.52	22
23	25.75	20.17	26.28	20.62	26.40	21.86	26.51	26.46	24.56	24.53	24.54	23.35	23
24	24.89	20.15	26.24	20.57	26.39	22.45	26.36	26.73	24.59	24.54	24.54	23.10	24
25	24.05	20.10	26.09	20.49	26.16	23.28	26.23	26.95	24.58	24.52	24.55	22.79	25
26	23.39	20.02	26.02	20.49	26.12	23.53	26.20	26.80	24.57	24.53	24.47	22.35	26
27	22.73	20.19	26.00	20.40	26.10	23.04	26.51	26.40	24.56	24.53	24.22	22.05	27
28	22.28	20.91	25.98	20.29	26.01	23.30	26.69	26.11	24.56	24.55	24.12	21.88	28
29	21.87	21.79	25.97	20.30		25.77	26.57	26.04	24.55	24.54	24.04	21.73	29
30	21.56	21.96	25.87	21.09		26.50	26.52	26.15	24.56	24.53	24.05	22.19	30
31	21.19		25.58	26.90		26.45		25.96		24.53	24.06		31

CREST STAGES

E - Estimated	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
NR - No Record	10-15-62	1020	32.50	2- 2-63	0920	32.80	3-30-63	1725	26.55	4-17-63	0840	29.26
NF - No Flow	12-19-62	1410	27.31	2-16-63	0600	28.99	4- 9-63	0730	27.80	5-25-63	1530	26.98

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8	MAY 24-OCT 39 8	1924		0.00	USED
						JAN 40-DATE	JAN 40-DATE				

Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. Maximum gage height listed does not indicate maximum discharge.

8 - Irrigation season only.

TABLE 201

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT KNIGHTS LANDING

STATION NO	WATER YEAR
A02200	1963

DATE	in feet												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	17.18	20.45	21.51	24.91	36.89	27.72	34.71	31.55	24.24	17.90	16.75	18.42	1
2	17.16	20.24	21.16	24.74	39.74	27.49	33.87	30.87	23.73	18.00	16.79	18.61	2
3	17.03	20.19	21.59	24.60	38.93	27.22	32.24	30.35	22.94	18.03	16.92	18.81	3
4	16.91	19.97	26.76	24.32	38.06	26.89	30.29	29.93	22.20	18.21	17.42	19.05	4
5	16.75	19.66	29.75	24.09	37.59	26.53	28.52	29.56	21.37	18.31	17.59	19.24	5
6	16.58	19.45	28.37	23.95	37.02	25.72	28.25	29.36	20.77	18.29	17.63	19.40	6
7	16.26	19.38	26.29	23.66	36.56	24.57	33.36	29.32	20.44	18.28	17.58	19.72	7
8	16.18	19.24	24.77	23.46	36.08	23.24	37.19	29.09	20.04	18.23	17.60	20.00	8
9	16.11	19.14	23.76	23.37	35.63	21.91	37.48	29.31	19.91	18.25	17.67	20.24	9
10	16.24	19.04	23.22	23.13	35.37	21.08	37.25	29.73	19.67	18.27	17.84	20.53	10
11	16.43	19.07	22.71	22.85	35.49	20.47	37.11	30.26	19.65	18.12	17.95	20.97	11
12	18.68	19.19	22.34	22.35	35.57	20.08	37.11	30.66	19.55	18.00	17.90	21.31	12
13	28.95	19.12	22.08	21.94	35.64	19.87	37.27	30.56	19.27	17.87	17.83	21.76	13
14	38.66	18.95	21.79	21.37	36.31	19.58	37.39	30.02	18.97	17.78	17.72	22.02	14
15	39.26	18.89	21.74	21.05	36.29	19.40	37.85	29.35	18.86	17.81	17.57	22.38	15
16	37.96	18.89	23.11	20.94	36.04	19.49	38.26	28.78	18.99	17.66	17.58	22.48	16
17	36.40	18.93	28.46	20.84	35.78	19.76	38.22	28.36	19.15	17.43	17.63	22.47	17
18	34.87	18.87	32.84	20.63	35.45	20.24	37.98	28.16	19.07	17.32	17.81	22.38	18
19	33.10	18.81	34.79	20.46	34.83	20.17	37.78	28.16	18.94	17.34	17.87	22.31	19
20	30.54	18.76	35.08	20.29	34.09	19.86	37.63	28.20	18.57	17.35	17.65	22.28	20
21	28.03	18.75	34.49	20.18	33.03	19.62	37.41	28.46	18.17	17.44	17.66	22.22	21
22	26.33	18.64	33.31	20.00	31.67	19.34	37.18	28.60	17.77	17.53	17.86	22.20	22
23	25.26	18.62	31.92	19.96	30.28	19.29	36.92	28.35	17.74	17.48	17.80	22.16	23
24	24.45	18.58	30.60	19.93	29.53	20.01	36.69	27.78	18.03	17.36	17.75	21.96	24
25	23.65	18.57	29.29	19.84	29.16	20.95	36.40	26.94	18.03	17.21	17.83	21.88	25
26	22.94	18.53	28.15	19.90	28.84	21.21	35.99	26.37	18.04	17.24	18.04	21.71	26
27	22.16	18.61	27.33	19.75	28.52	21.14	35.48	25.79	17.96	17.11	18.13	21.48	27
28	21.71	20.90	26.53	19.67	28.11	23.82	34.70	25.31	17.81	17.02	18.21	21.36	28
29	21.33	22.89	25.94	19.73	32.68	33.49	33.49	25.07	17.83	17.03	18.06	21.22	29
30	21.00	22.23	25.58	20.14	35.23	32.38	32.38	25.21	17.84	16.91	17.99	20.97	30
31	20.64		25.19	25.71	35.32	35.32	35.32	24.72		16.82	18.22		31

CREST STAGES

E - Estimated
 NR - No Record
 NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0005	39.69	12-20-62	0530	35.14	3-30-63	1050	35.50			
12- 5-62	1130	29.93	2- 2-63	0900	39.90	4- 9-63	0405	37.58			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.BBM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 48 10	121 42 55	NE14 11N 2E	29600	41.83	2/22/58	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-DATE	1921		0.00 -3.02	USED USCGS

Station located just above the Southern Pacific Railroad bridge, 13.1 mi. above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS. Maximum gage height listed does not necessarily indicate maximum discharge.

8 - Irrigation season only.

TABLE 202
DAILY MEAN GAGE HEIGHT
BUTTE SLOUGH AT MAWSON BRIDGE

STATION NO	WATER YEAR
A02971	1963

in feet

DATE	in feet												DATE
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	
1	39.55	41.37	41.77	45.10	47.27	46.54	49.70	47.54	42.34	42.55	42.22	42.03	1
2	39.46	41.16	41.34	44.94	54.20	46.38	49.69	46.87	42.07	42.36	42.39	42.02	2
3	39.35	41.01	41.21	44.77	56.88	46.26	48.88	46.47	41.92	42.29	42.49	42.13	3
4	39.18	40.78	43.25	44.63	56.19	46.06	47.85	46.09	42.00	42.16	42.03	41.98	4
5	39.00	40.49	45.02	44.41	54.88	45.85	46.97	45.76	42.01	42.15	42.20	41.91	5
6	38.89	40.37	44.90	44.19	53.58	45.15	46.46	45.49	41.97	42.24	42.49	41.95	6
7	38.83	40.61	43.81	44.05	52.38	44.07	47.62	45.28	42.43	42.17	42.47	41.87	7
8	38.84	40.54	43.05	44.19	51.40	42.92	49.34	45.10	42.59	42.04	42.37	41.78	8
9	38.96	40.45	42.76	44.07	50.58	42.09	52.78	45.49	42.62	42.02	42.40	42.03	9
10	39.26	40.37	42.52	43.85	50.05	41.62	52.96	46.00	42.58	42.17	42.49	42.18	10
11	39.39	40.32	42.19	43.52	49.81	41.39	52.97	46.34	42.51	42.21	42.34	42.33	11
12	40.81	40.38	42.00	42.93	51.16	41.17	54.06	46.42	42.56	42.17	42.14	42.43	12
13	45.29	40.48	41.88	42.50	51.47	41.02	55.33	46.44	42.64	42.10	41.98	42.70	13
14	49.91	40.53	41.85	42.21	51.60	40.84	55.88	46.39	42.63	42.18	41.98	42.91	14
15	55.26	40.51	41.91	42.07	52.33	40.69	56.75	46.28	42.57	42.16	42.10	43.10	15
16	54.68	40.53	42.59	41.92	51.99	40.61	58.54E	46.17	42.64	42.07	42.23	43.14	16
17	53.62	40.73	45.34	41.82	51.38	40.93	59.05E	45.97	42.62	42.05	42.08	43.13	17
18	52.47	40.86	46.68	41.71	50.73	41.40	58.69E	45.63	42.58	41.96	42.05	42.87	18
19	51.39	40.83	50.12	41.59	50.15	41.26	57.82	45.28	42.53	42.10	42.12	42.86	19
20	50.11	40.83	52.06	41.37	49.61	41.23	56.60	45.00	42.44	42.32	42.36	42.92	20
21	48.74	40.63	51.45	41.19	49.07	41.20	55.67	44.84	42.30	42.32	42.26	42.95	21
22	47.47	40.37	50.57	41.05	48.56	41.02	54.91	44.65	42.21	42.17	42.21	42.95	22
23	46.51	40.12	49.54	40.99	48.07	40.93	53.91	44.43	42.13	42.08	42.23	43.03	23
24	45.68	39.95	48.58	40.92	47.79	41.06	52.90E	44.38	42.27	42.10	42.23	42.96	24
25	44.80	39.84	47.63	40.84	47.45	41.61	51.91E	44.18	42.40	42.31	42.32	42.84	25
26	43.91	39.79	47.04	40.75	47.20	41.76	51.00E	43.71	42.53	42.28	42.30	42.70	26
27	43.20	39.78	46.53	40.68	46.99	41.56	50.18E	43.16	42.54	42.38	42.12	42.60	27
28	42.68	42.29	46.13	40.61	46.75	43.13	49.41E	42.80	42.21	42.27	41.92	42.66	28
29	42.31	43.15	45.83	40.60		46.58	48.70E	42.64	42.03	42.23	41.87	42.27	29
30	42.00	42.37	45.56	40.99		47.99	48.11	42.63	42.52	42.17	41.95	42.11	30
31	41.60		45.31	44.36		49.10		42.60		42.32	41.91		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	1240	55.38	12-20-62	0220	52.24	2-15-63	1500	52.39	4-17-63	0815	59.09E
12-5-62	2330	45.20	2-3-63	1330	57.09	4-2-63	0100	49.77			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 11 14	121 54 28	SW31 16N 1E	68.9	3/1/40		JAN 39-DATE	NOV 34-MAY 37 #	1934		0.00	USED

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs.

- Flood season only.

TABLE 203
DAILY MEAN GAGE HEIGHT
SUTTER BYPASS AT LONG BRIDGE

STATION NO	WATER YEAR
A05935	1963

in feet

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1				39.65	41.47	41.38	43.34	42.34	40.28	40.38	40.65	39.93	1
2				39.42	45.36	41.23	43.40	41.81	40.20	40.34	40.67	39.95	2
3				39.16	47.72	41.07	43.09	41.43	40.17	40.30	40.72	39.97	3
4					47.37	40.87	42.50	41.07	40.19	40.27	40.52	39.88	4
5			39.36		46.48	40.67	41.82	40.68	40.19	40.26	40.60	39.82	5
6			39.97		45.63	40.05	41.27	40.32	40.17	40.40	40.75	39.75	6
7			39.31		44.96		42.04	40.13	40.30	40.39	40.75	39.70	7
8					44.49		42.88	39.86	40.36	40.35	40.70	39.66	8
9					44.08		44.84	40.09	40.36	40.35	40.68	39.71	9
10					43.78		45.11	40.71	40.35	40.37	40.68	39.75	10
11					43.55		45.09	41.15	40.35	40.39	40.61	39.75	11
12					44.10		45.61	41.25	40.35	40.39	40.55	39.67	12
13					44.47		46.50	41.27	40.38	40.39	40.47	39.58	13
14	41.97				44.41		46.95	41.29	40.37	40.45	40.47	39.46	14
15	46.66				44.81		47.44	41.37	40.36	40.45	40.51	39.43	15
16	46.49				44.72		48.82	41.25	40.37	40.42	40.57	39.27	16
17	45.69				44.42		49.45	41.07	40.37	40.48	40.48	39.05	17
18	45.03		41.05		44.13		49.16	40.72	40.37	40.56	40.43		18
19	44.42		43.05		43.81		48.47	40.36	40.35	40.60	40.44		19
20	43.78		44.68		43.51		47.64	40.24	40.36	40.67	40.53		20
21	43.01		44.45		43.24		47.03	40.18	40.35	40.68	40.52		21
22	42.20		44.05		42.96		46.56	40.00	40.34	40.62	40.50		22
23	41.45		43.53		42.66		45.96	40.05	40.31	40.58	40.47		23
24	40.73		42.92		42.43		45.38	40.41	40.34	40.59	40.45		24
25	39.98		42.39		42.21		44.84	40.30	40.39	40.66	40.42		25
26	39.07		41.85		41.97	39.41	44.38	40.09	40.41	40.64	40.37		26
27			41.36		41.77	39.21	43.87	39.93	40.42	40.68	40.17		27
28			40.94		41.54	39.08	43.44	40.11	40.28	40.65	40.01		28
29			40.61			40.91	43.00	40.35	40.20	40.64	39.94		29
30			40.30			42.19	42.69	40.34	40.34	40.62	39.92		30
31			39.97			42.98		40.34		40.66	39.90		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	1700	46.92	12-20-62	0820	44.72	2-15-63	1620	44.85	4-17-63	1130	49.48
12-6-62	1300	40.14	2-3-63	1615	47.88	3-29-63	0815	41.42			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 08 46	121 50 31	SE15 15N 1E		57.7	3/1/40		14-DATE			0.00	USED

Station located on west levee, 0.2 mi. N of State Highway 20, 3.9 mi. E of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel and have not been listed.

TABLE 204

DAILY MEAN GAGE HEIGHT

WADSWORTH CANAL NEAR SUTTER

STATION NO	WATER YEAR
A05920	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	40.24	39.33	38.89	38.93	42.94	39.28	41.07	40.11	41.13	39.46	40.02	40.30	1
2	40.18	39.31	38.86	38.88	43.04	39.22	40.73	40.57	41.50	39.55	39.95	40.31	2
3	40.08	39.33	38.81	38.90	44.76	39.17	40.74	39.96	41.66	39.36	39.90	40.24	3
4	40.08	39.27	38.79	38.90	44.46	39.12	40.25	39.84	41.01	39.57	40.06	40.47	4
5	39.92	39.26	38.69	38.85	43.39	39.01	39.99	40.18	40.62	39.62	40.14	40.85	5
6	39.92	39.23	38.94	38.89	42.47	39.08	41.77	39.70	40.59	39.61	40.14	41.00	6
7	39.92	39.24	38.87	39.14	41.81	39.05	41.81	39.66	40.62	39.66	40.03	41.24	7
8	40.05	39.33	38.87	38.97	41.13	38.99	40.85	40.00	40.58	39.77	39.89	41.31	8
9	39.94	39.39	39.03	38.85	40.73	38.97	41.28	40.14	40.86	39.52	40.13	41.02	9
10	39.91	39.34	39.02	38.80	42.03	38.94	42.20	39.83	41.02	39.58	40.28	40.90	10
11	40.34	39.31	38.99	38.74	40.64	38.92	42.18	40.47	40.97	39.67	40.44	40.95	11
12	41.78	39.28	38.95	38.69	41.62	38.86	42.39	40.35	40.79	39.73	40.54	41.34	12
13	46.01	39.27	38.95	38.70	44.40	38.37	43.23	39.73	40.39	39.65	40.54	41.22	13
14	46.61	39.27	38.96	38.68	42.41	38.26	46.02	38.59	40.30	40.00	40.28	41.57	14
15	46.54	39.27	39.00	38.67	41.87	38.56	45.82	38.30	40.21	39.86	40.19	41.57	15
16	45.57	39.27	39.32	38.66	41.70	38.91	45.09	38.29	40.52	39.64	39.99	41.76	16
17	44.17	39.27	41.79	38.65	41.30	39.30	46.50	38.27	40.45	39.42	39.66	41.64	17
18	43.19	39.25	41.37	38.63	40.72	39.19	46.20	38.34	40.30	39.44	39.91	41.40	18
19	42.28	39.23	40.18	38.63	40.22	39.56	45.56	38.45	40.15	39.59	40.18	41.44	19
20	41.30	39.21	40.65	38.62	39.94	39.70	44.64	38.75	40.00	39.49	39.68	41.39	20
21	40.50	39.21	40.94	38.59	39.82	39.88	43.96	39.00	39.94	39.55	39.40	41.18	21
22	40.09	39.20	40.28	38.59	39.72	40.04	43.45	39.19	40.06	39.50	39.51	41.00	22
23	39.91	39.13	39.61	38.60	39.64	40.50	42.89	39.61	40.68	39.37	39.49	40.81	23
24	39.80	39.11	39.30	38.58	39.57	40.31	42.38	40.25	40.73	39.88	39.49	40.36	24
25	39.68	39.05	39.21	38.56	39.51	40.28	41.86	40.91	40.78	39.92	39.64	40.23	25
26	39.54	39.02	39.15	38.55	39.44	40.17	41.25	41.13	41.00	39.58	39.87	40.10	26
27	39.45	38.98	39.01	38.54	39.38	41.12	40.49	41.32	40.52	39.67	40.14	40.28	27
28	39.41	39.01	39.03	38.54	39.33	40.74	40.05	41.10	40.20	39.70	40.08	40.12	28
29	39.41	39.18	39.02	38.58		41.67	39.45	41.12	39.59	39.73	40.10	40.00	29
30	39.37	38.99	39.05	40.66		41.12	39.87	40.99	39.33	39.73	40.27	39.91	30
31	39.36		39.01	43.50		40.99		41.03		39.91	40.16		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1600	47.76	1-30-63	1530	43.73	2- 3-63	1830	45.00	4-14-63	0710	47.17
10-15-62	1015	47.30	1-31-63	1600	44.27	2-12-63	2145	46.45	4-17-63	0815	46.53

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E		47.76	10/13/62	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located on downstream side of South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. Maximum gage height listed does not necessarily indicate maximum discharge. This station and one 2.2 mi. downstream are used to determine slope for rating of canal. Prior records, January 1939 to March 1961, available at a site approximately 0.3 mile upstream.

TABLE 205

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT STATE PUMPING PLANT 3

STATION NO	WATER YEAR
A05925	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	38.0	NR	38.7	34.0	38.1	34.0	38.4	35.8	38.4	38.5	38.5	38.6	1
2	38.0	38.0	38.6	34.0	41.8	34.0	38.7	35.7	38.4	38.5	38.5	38.7	2
3	37.9	38.0	38.6	34.0	45.1	33.9	38.8	35.7	38.4	38.5	38.6	38.5	3
4	37.9	38.2	38.5	34.0	44.8	33.8	37.3	35.7	38.4	38.5	38.7	38.5	4
5	37.9	38.4	38.3	34.0	43.8	33.4	36.4	35.7	38.4	38.5	38.5	38.5	5
6	37.9	38.5	38.8	33.8	42.9	33.0	36.4	NR	38.4	38.5	38.5	38.6	6
7	37.7	38.5	38.8	33.3	42.3	33.0	36.5	39.4	38.5	38.6	38.6	38.6	7
8	37.6	38.9	38.8	33.0	41.4	32.8	37.4	NR	38.5	38.6	38.6	38.6	8
9	37.6	38.9	38.8	33.0	40.2	32.4	40.6	NR	38.5	38.5	38.6	38.6	9
10	37.6	38.9	38.8	33.0	40.0	31.8	42.3	NR	38.5	38.5	38.7	38.5	10
11	37.7	38.9	38.9	33.0	39.4	31.7	42.3	NR	38.5	38.5	38.6	38.4	11
12	37.8	38.9	38.9	33.0	39.8	31.6	42.5	NR	38.4	38.5	38.7	38.5	12
13	38.3	38.9	38.9	33.0	41.4	35.4	43.5	NR	38.4	38.5	38.5	38.7	13
14	40.2	38.9	38.9	33.0	41.2	35.5	44.2	NR	38.4	38.5	38.4	38.5	14
15	43.4	38.9	38.8	33.0	41.7	35.6	44.8	NR	38.5	38.5	38.4	38.5	15
16	44.2	38.9	38.6	33.0	41.8	35.7	46.2	NR	38.5	38.5	38.3	38.5	16
17	43.2	38.9	38.6	33.0	40.8	35.7	46.7	NR	38.5	38.5	38.3	38.5	17
18	42.5	38.9	38.3	33.0	40.6	35.7	46.6	38.3	38.5	38.5	38.2	38.5	18
19	41.8	38.9	38.6	33.0	39.9	36.3	46.1	38.3	38.5	38.5	38.4	38.5	19
20	39.9	38.9	39.3	33.0	39.1	38.2	45.0	38.3	38.5	38.5	38.4	38.5	20
21	39.2	38.9	41.2	33.0	37.8	38.4	44.3	38.3	38.5	38.5	38.5	38.4	21
22	36.7	38.8	40.3	33.0	36.7	38.4	43.8	38.4	38.5	38.5	38.5	38.4	22
23	34.7	38.8	38.9	33.0	36.0	38.2	43.3	38.4	38.5	38.5	38.5	38.4	23
24	34.1	38.8	36.7	33.0	35.4	37.5	42.7	38.5	38.5	38.5	38.5	38.4	24
25	33.9	38.7	35.6	33.0	35.3	37.5	42.2	38.5	38.5	38.6	38.5	38.3	25
26	33.7	38.6	35.6	33.0	35.0	37.4	40.8	38.5	38.5	38.6	38.6	38.3	26
27	33.5	38.6	35.0	33.0	34.2	37.4	40.2	38.3	38.5	38.6	38.7	38.2	27
28	33.3	38.6	35.0	33.0	34.0	36.8	38.8	38.3	38.4	38.5	38.6	38.4	28
29	33.1	39.0	35.0	33.0		36.8	37.8	38.3	38.4	38.5	38.6	38.4	29
30	32.9	38.8	35.0	33.5		36.9	36.4	38.3	38.4	38.5	38.6	38.4	30
31	32.7		35.0	34.0		37.7		38.3		38.5	38.6		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 07 15	121 46 40	SW29 15N 2E					20-DATE	1920		0.00	USED

Staff located on east levee, 0.7 mi. above Wadsworth Canal, 3.0 mi. SW of Sutter. Gage read twice daily by pump operators.

TABLE 206

DAILY MEAN GAGE HEIGHT

TISDALE BYPASS AT RECLAMATION DISTRICT 1660 PUMPING PLANT
in feet

STATION NO	WATER YEAR
A02308	1963

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	22.2	23.2	24.2	27.9	34.5	30.5	33.4	33.0	25.1	24.2	24.0	24.2	1
2	22.2	23.3	23.9	27.1	43.0	30.2	33.6	32.7	25.2	24.2	24.0	24.2	2
3	22.2	23.2	23.6	26.7	44.0	29.8	33.4	32.4	25.2	24.2	24.0	24.2	3
4	22.2	23.1	23.8	26.5	43.0	29.6	33.1	31.9	25.2	24.1	24.0	24.2	4
5	22.2	23.1	27.0	26.3	41.5	29.2	32.8	31.3	25.0	24.1	24.0	24.3	5
6	22.2	23.0	27.6	NR	39.8	28.8	32.3	30.8	24.6	24.1	24.0	24.3	6
7	22.2	22.8	27.3	25.7	38.0	28.3	31.9	30.3	24.1	24.1	23.7	24.4	7
8	22.2	22.8	26.9	25.5	36.1	27.0	38.6	30.0	24.2	24.1	23.8	24.5	8
9	22.2	22.8	NR	25.3	35.1	25.6	39.8	29.7	24.2	24.1	23.9	24.9	9
10	22.2	22.8	24.9	25.3	34.1	24.9	39.5	29.7	24.3	24.1	24.0	24.7	10
11	22.2	22.9	24.3	25.1	37.3	24.3	39.5	30.0	24.4	24.1	24.5	24.7	11
12	22.3	22.9	24.0	25.0	38.2	23.8	40.1	30.3	24.3	24.1	24.6	24.7	12
13	23.0	22.9	23.8	NR	37.9	23.5	40.9	30.6	24.2	24.1	24.9	24.9	13
14	38.5	22.9	23.6	24.4	38.6	23.3	41.6	30.7	24.2	24.1	24.4	25.5	14
15	43.5	22.9	23.6	24.0	38.7	23.3	42.2	30.5	24.2	24.1	24.2	25.7	15
16	42.3	22.8	NR	23.7	38.3	23.2	43.5	30.1	24.1	24.1	24.1	25.7	16
17	39.8	22.8	25.2	23.0	37.1	23.2	44.5	29.9	24.2	24.1	24.1	25.9	17
18	38.4	22.8	29.0	23.0	36.5	23.1	44.2	29.5	24.6	24.0	24.0	25.7	18
19	37.3	22.9	38.0	23.0	35.9	23.0	43.4	29.1	24.5	24.0	24.1	25.9	19
20	36.0	23.0	37.0	23.0	34.8	22.7	42.3	28.6	24.3	24.0	24.2	25.7	20
21	35.1	23.0	35.3	23.0	33.9	22.4	41.6	28.2	24.1	24.0	24.2	25.6	21
22	34.2	23.0	34.8	22.9	33.5	22.4	40.9	28.1	24.1	24.0	24.2	25.5	22
23	33.5	22.9	34.3	22.9	33.1	22.8	40.0	28.2	24.0	24.0	24.2	25.5	23
24	32.9	22.8	34.0	22.8	32.7	22.8	39.4	27.8	23.9	23.9	24.2	25.5	24
25	32.1	22.7	33.3	22.8	32.4	22.7	38.2	27.1	23.0	23.9	24.3	25.5	25
26	30.7	22.7	32.8	22.6	32.0	22.8	36.8	26.6	24.0	23.9	24.3	25.3	26
27	29.0	22.8	32.2	22.6	31.4	23.2	35.5	26.3	24.1	24.0	24.4	25.1	27
28	26.2	22.7	31.2	22.6	31.0	23.7	34.5	26.0	24.3	24.0	24.4	25.0	28
29	26.0	23.1	30.0	22.8		27.6	33.9	25.5	24.1	24.0	24.2	24.9	29
30	23.5	24.1	28.9	24.0		37.5	33.4	25.2	24.2	24.0	24.2	24.8	30
31	23.1		28.6			35.3		25.3		24.0	24.2		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE				0.00	USED

Staff located on north levee at district drainage pumping plant, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. Gage read twice daily by pump operators.

TABLE 207
DAILY MEAN GAGE HEIGHT
SUTTER BYPASS AT STATE PUMPING PLANT 2

STATION NO	WATER YEAR
A05920	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	28.2	27.4	27.9	29.8	NR	31.3	33.8	32.7	29.0	29.2	29.1	29.0	1
2	28.5	27.9	27.6	29.3	NR	30.8	33.5	32.4	29.0	29.4	29.4	29.1	2
3	28.3	27.8	27.8	28.8	NR	30.3	33.3	32.1	29.0	29.5	29.4	29.2	3
4	28.2	27.8	27.5	28.5	NR	29.8	32.9	31.9	29.2	29.4	29.5	29.2	4
5	28.1	27.8	27.3	28.4	NR	29.3	32.4	31.8	29.0	29.5	29.5	29.2	5
6	28.1	27.8	28.1	28.2	NR	28.8	32.8	31.4	28.6	29.4	29.4	29.4	6
7	27.9	27.7	28.6	28.2	31.0	29.3	33.4	30.6	28.9	29.2	29.4	29.4	7
8	27.7	27.6	28.0	28.1	36.0	27.4	36.6	30.8	29.0	29.3	29.3	29.2	8
9	27.6	27.4	27.7	28.0	35.4	26.8	38.0	31.0	29.3	29.3	29.4	29.1	9
10	27.6	27.4	28.2	27.8	35.0	26.5	38.3	31.2	29.5	29.2	29.6	29.1	10
11	27.8	27.2	29.5	27.5	35.4	26.4	38.3	31.4	29.4	29.4	29.6	29.1	11
12	29.0	27.1	28.7	26.8	36.0	26.2	38.4	31.8	29.1	29.7	29.4	29.1	12
13	29.9	27.1	28.6	26.6	36.4	26.3	39.2	31.9	28.9	29.6	29.3	29.4	13
14	28.2	27.0	28.4	26.5	36.8	26.3	40.2	31.7	28.8	29.4	29.2	29.1	14
15	42.6	27.2	28.3	26.5	37.0	27.3	40.8	31.6	28.8	29.3	29.3	28.9	15
16	41.5	27.4	28.0	26.4	37.0	27.2	42.3	31.3	29.0	29.3	29.4	28.9	16
17	39.6	27.6	28.7	26.3	33.4	27.2	43.2	31.4	29.2	29.3	29.3	28.8	17
18	38.1	27.7	31.4	26.3	36.2	27.0	42.9	30.6	29.2	29.3	29.1	28.5	18
19	36.9	27.9	34.8	26.3	35.1	27.3	42.2	30.3	29.1	29.3	29.3	28.3	19
20	35.8	27.6	35.4	NR	34.4	27.5	41.2	30.1	29.0	29.6	29.4	28.1	20
21	35.1	27.5	35.2	NR	33.7	28.3	40.3	30.2	29.1	29.6	29.4	28.0	21
22	33.9	27.4	34.8	NR	33.1	28.8	39.6	30.1	29.3	29.5	29.3	27.8	22
23	32.9	27.4	34.4	NR	32.7	29.2	38.8	30.1	29.7	29.4	29.4	27.7	23
24	32.2	27.5	33.6	NR	32.4	28.9	38.2	30.2	29.7	29.4	29.4	27.5	24
25	31.4	27.5	33.0	NR	32.2	28.5	37.2	30.4	29.9	29.6	29.4	27.4	25
26	30.4	27.6	32.5	NR	32.1	28.1	36.2	30.4	29.9	29.3	29.4	27.5	26
27	28.9	27.6	32.2	NR	31.8	28.0	35.2	30.3	30.0	29.2	29.4	27.4	27
28	27.4	27.8	32.0	NR	31.5	29.0	34.4	29.7	29.5	29.2	29.4	27.3	28
29	26.6	28.0	31.6	NR	30.7	30.7	33.8	29.3	29.2	29.2	29.1	27.3	29
30	26.3	28.1	31.1	26.2	34.2	34.2	33.8	29.2	29.1	29.0	29.2	27.5	30
31	26.6		30.6	26.2	34.3	34.3		29.2		29.2	29.1		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. D. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 01 34	121 43 32	SW26 14N 2E					20-DATE			0.00	USED

Staff located on east levee at O'Banion Road, 9.8 mi. SW of Yuba City. Gage read twice daily by pump operators.

TABLE 208

DAILY MEAN GAGE HEIGHT

SUTTER BYPASS AT STATE PUMPING PLANT 1

STATION NO	WATER YEAR
405910	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	28.1	27.4	27.6	28.7	36.6	30.5	33.1	NR	NR	29.3	29.3	NR	1
2	28.3	27.9	27.7	28.0	41.8	30.3	32.7	NR	NR	29.4	29.4	NR	2
3	28.2	27.6	27.7	27.5	41.2	29.5	32.5	NR	27.7	29.3	29.4	NR	3
4	28.3	27.8	27.6	27.0	40.2	28.8	32.1	NR	28.7	29.4	29.5	NR	4
5	28.2	27.8	27.2	26.7	39.0	28.2	31.8	NR	28.5	29.3	29.4	NR	5
6	28.1	27.8	27.6	26.4	37.8	27.5	31.6	NR	27.9	29.1	29.3	NR	6
7	27.9	27.7	28.4	26.2	36.6	26.7	32.5	NR	28.4	29.1	29.3	NR	7
8	27.7	27.7	27.6	26.1	35.5	25.6	36.4	30.6	28.6	29.3	29.2	NR	8
9	27.7	27.5	27.5	26.0	34.6	24.5	37.4	30.8	28.8	29.2	29.3	NR	9
10	27.5	27.5	28.1	26.0	34.0	24.1	37.4	31.0	28.9	29.2	29.4	NR	10
11	27.7	27.5	28.5	25.7	34.0	23.8	37.2	31.2	28.8	29.2	29.4	NR	11
12	28.1	27.3	28.7	24.9	34.6	23.7	37.2	31.4	28.2	29.4	29.0	NR	12
13	31.7	27.2	28.6	24.3	35.1	23.3	37.6	31.4	28.2	29.6	29.0	NR	13
14	40.4	27.1	28.4	23.9	35.6	25.5	38.4	31.3	28.3	29.5	29.1	NR	14
15	42.3	27.3	28.0	23.8	35.8	26.9	39.3	31.1	28.4	29.2	29.1	NR	15
16	41.0	27.4	27.7	23.8	35.7	27.2	40.4	30.8	28.6	29.3	29.2	NR	16
17	38.0	27.6	28.6	23.7	35.2	26.3	40.9	30.3	28.8	29.3	29.1	NR	17
18	36.4	27.8	30.7	23.7	34.6	26.2	40.6	30.1	28.8	29.3	29.0	NR	18
19	35.4	27.8	32.9	23.6	34.0	27.1	40.1	29.7	28.7	29.3	29.1	NR	19
20	34.3	27.5	34.0	23.6	33.4	27.5	39.3	29.7	28.8	29.5	29.3	NR	20
21	33.2	27.6	34.0	23.5	32.7	28.0	38.6	29.8	29.0	29.6	29.3	NR	21
22	32.7	27.4	33.5	23.5	32.3	28.7	38.5	29.6	29.2	29.4	NR	NR	22
23	32.3	27.3	33.0	23.4	32.0	28.8	37.4	29.5	29.5	29.4	NR	NR	23
24	31.7	27.5	32.6	23.4	31.7	28.4	36.8	29.5	29.6	29.4	NR	NR	24
25	31.2	27.6	32.4	23.3	31.6	28.0	36.2	29.5	29.6	29.6	NR	NR	25
26	29.8	27.6	31.8	23.3	31.4	27.5	35.3	29.6	29.7	29.3	NR	NR	26
27	28.6	27.7	31.6	23.2	31.3	26.8	34.4	29.4	29.7	29.1	NR	NR	27
28	26.0	27.8	31.3	23.2	31.0	27.3	33.4	28.9	NR	29.1	NR	NR	28
29	25.3	28.0	30.9	23.1		30.3	33.0	28.2	NR	29.0	NR	NR	29
30	26.4	28.0	30.4	23.7		32.4	32.4	28.2	NR	29.0	NR	NR	30
31	26.7		29.6	25.8		33.5		28.2		NR	NR		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 55 59	121 38 03	NE33 13N 3E					20-DATE			0.00	USED

Staff located on east levee, 3 mi. N of Nelson Slough, 3.6 mi. NW of Nicolaus. Gage read twice daily by pump operators.

TABLE 209

DAILY MEAN GAGE HEIGHT
SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT
in feet

STATION NO	WATER YEAR
A02927	1963

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	13.61	17.48	18.22	20.76	35.49	23.66	31.91	29.36	22.14	14.91	13.34	14.97	1
2	13.60	17.21	17.96	20.50	38.47	23.23	31.07	28.86	21.70	14.86	13.26	15.02	2
3	13.52	17.19	19.08	20.30	37.30	22.87	29.81	28.44	20.57	14.85	13.42	15.14	3
4	13.47	16.97	24.57	20.00	36.33	22.44	28.36	28.12	19.86	14.91	13.78	15.22	4
5	13.36	16.78	26.69	19.83	35.60	22.05	27.02	27.89	18.95	14.97	14.07	15.34	5
6	13.19	16.64	25.94	19.73	34.97	21.45	26.69	27.81	18.31	14.91	14.14	15.43	6
7	12.98	16.53	24.07	19.45	34.34	20.62	31.56	27.84	17.94	14.92	14.03	15.65	7
8	12.86	16.39	22.14	19.19	33.75	19.69	35.35	27.72	17.49	14.88	13.99	16.35	8
9	12.80	16.26	20.66	19.12	33.15	18.63	35.55	27.78	17.47	14.84	13.97	16.44	9
10	12.87	16.10	19.86	18.89	32.67	17.86	35.28	27.88	16.92	14.82	14.14	16.19	10
11	12.92	16.30	19.29	18.68	32.39	17.26	35.06	27.91	17.05	14.69	14.37	16.77	11
12	15.76	16.41	18.93	18.43	32.50	16.88	34.91	28.18	17.06	14.60	14.53	17.03	12
13	NR	16.22	18.59	17.86	32.83	16.66	34.90	28.05	16.66	14.55	14.55	17.58	13
14	NR	16.01	18.19	17.30	33.69	16.32	35.15	27.50	16.39	14.48	14.38	17.69	14
15	NR	15.95	18.27	16.93	33.76	16.21	35.91	26.87	16.18	14.43	14.21	18.51	15
16	NR	15.93	20.54	17.03	33.47	16.52	36.34	26.30	16.52	14.24	14.16	18.14	16
17	34.93	15.90	25.62	16.91	33.07	16.81	36.33	25.92	16.46	14.05	14.15	18.25	17
18	33.58	15.83	29.20	16.70	32.49	16.88	36.08	25.79	16.56	13.98	14.21	18.15	18
19	31.92	15.74	31.32	16.57	31.79	16.88	35.79	25.90	16.47	13.95	14.18	18.06	19
20	29.88	15.70	32.01	16.40	30.97	16.60	35.54	26.01	16.04	13.93	14.10	17.99	20
21	28.10	15.68	31.65	16.30	30.01	16.42	35.20	26.34	15.55	14.09	14.11	17.94	21
22	26.78	15.53	30.66	16.20	28.86	16.47	34.86	26.53	15.14	14.21	14.22	17.95	22
23	25.51	15.60	29.47	16.26	27.68	16.60	34.53	26.41	15.15	14.17	14.28	17.60	23
24	23.93	15.58	28.32	16.24	26.62	18.14	34.19	26.00	15.39	14.01	14.29	17.48	24
25	22.30	15.58	27.26	16.11	25.98	18.58	33.86	25.26	15.45	13.91	14.32	17.32	25
26	21.01	15.54	26.25	16.11	25.37	18.33	33.41	24.59	15.41	14.06	14.51	17.00	26
27	19.99	15.82	25.04	15.95	24.81	18.20	32.79	24.04	15.34	13.95	14.67	16.86	27
28	19.28	18.21	23.72	15.91	24.23	21.75	31.99	23.48	15.26	13.81	14.80	16.67	28
29	18.68	19.15	22.53	15.97		28.84	31.01	23.25	15.14	13.67	14.79	16.51	29
30	18.01	18.79	21.67	16.63		31.95	30.10	23.56	14.97	13.57	14.66	16.23	30
31	17.61		21.11	23.53		32.42		22.93		13.44	14.83		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-16-62	1245	38.65E	12-20-62	1400	32.10	2-14-63	1800	33.80	4-9-63	0130	35.65
12-5-62	1400	26.85	2-2-63	0600	38.75	3-31-63	0600	32.50	4-17-63	0300	36.40

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
							15-DATE			0.00	USED

Station located on west levee, 3.7 mi. SE of Knights Landing.

TABLE 210

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT FREMONT WEIR, WEST END

STATION NO	WATER YEAR
A02170	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	15.24	18.81	19.67	22.44	35.80	25.24	32.99	30.20	22.91	16.06	14.66	16.13	1
2	15.22	18.57	19.33	22.24	38.17	24.93	32.17	29.77	22.41	16.08	14.64	16.26	2
3	15.13	18.51	20.26	22.11	37.19	24.62	30.65	29.53	21.50	16.11	14.74	16.45	3
4	15.04	18.33	25.85	21.85	36.43	24.26	28.85	29.27	20.78	16.26	15.15	16.63	4
5	14.90	18.08	28.05	21.65	35.84	23.88	27.01	29.00	19.85	16.35	15.35	16.77	5
6	14.74	17.90	26.72	21.52	35.39	23.21	27.08	28.79	19.20	16.29	15.41	16.90	6
7	14.46	17.81	24.75	21.23	34.88	22.26	32.22	28.64	18.89	16.30	15.34	17.21	7
8	14.33	17.67	23.17	21.02	34.39	21.07	35.62	28.51	18.44	16.26	15.35	17.49	8
9	14.29	17.53	22.03	20.93	33.95	19.85	35.81	28.42	18.22	16.28	15.39	17.72	9
10	14.39	17.40	21.41	20.70	33.65	19.08	35.61	28.60	17.95	16.29	15.55	17.92	10
11	14.49	17.52	20.80	20.49	33.61	18.53	35.44	28.86	17.93	16.17	15.65	18.34	11
12	16.77	17.65	20.44	20.15	33.74	18.17	35.36	29.16	17.87	16.02	15.64	18.66	12
13	27.88	17.52	20.14	19.62	33.98	17.97E	35.37	29.04	17.52	15.88	15.60	19.09	13
14	37.64	17.31	19.77	19.06	34.53	17.68E	35.53	28.44	17.23	15.80	15.50	19.38	14
15	37.79	17.24	19.78	18.79	34.52	17.59	36.12	27.70	17.10	15.80	15.36	19.80	15
16	36.48	17.23	21.68	18.71	34.29	17.76	36.50	27.16	17.28	15.67	15.34	19.82	16
17	35.29	17.23	27.22	18.62	33.98	18.10	36.48	26.76	17.47	15.45	15.37	19.83	17
18	34.06	17.18	30.88	18.41	33.51	18.45	36.28	26.69	17.43	15.35	15.50	19.73	18
19	32.27	17.11	32.86	18.27	32.87	18.31	36.06	26.79	17.33	15.33	15.59	19.65	19
20	29.63	17.03	33.33	18.12	31.99	18.00	35.87	26.88	16.90	15.32	15.40	19.65	20
21	26.92	17.01	32.84	18.00	30.92	17.79	35.61	27.20	16.51	15.44	15.39	19.64	21
22	25.02	16.90	31.64	17.86	29.65	17.73	35.38	27.31	16.10	15.53	15.56	19.64	22
23	23.85	16.92	30.19	17.87	28.24	17.77	35.12	27.07	16.07	15.47	15.56	19.52	23
24	22.92	16.90	28.81	17.86	27.33	18.99	34.84	26.56	16.31	15.36	15.51	19.37	24
25	22.08	16.89	27.37	17.75	26.91	19.86E	34.61	25.72	16.35	15.24	15.57	19.25	25
26	21.42	16.83	26.12	17.78	26.54	19.97E	34.28	25.15E	16.31	15.25	15.71	19.02	26
27	20.62	17.01	25.20	17.62	26.15	19.49E	33.80	24.59	16.21	15.15	15.82	18.85	27
28	20.10	19.29	24.33	17.56	25.70	22.30	33.05	24.08	16.06	15.03	15.89	18.74	28
29	19.70	20.76	23.62	17.62		30.61	31.98	23.91	16.03	14.98	15.79	18.57	29
30	19.27	20.33	23.14	18.11		33.30	30.95	24.16	16.02	14.88	15.70	18.35	30
31	18.93		22.73	24.78		33.58		23.52		14.79	15.88		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	2140	38.47	2-2-63	0610	38.42	3-31-63	0650	33.68	4-16-63	2400	36.53
12-20-62	1110	33.39	2-14-63	2050	34.60	4-8-63	2400	35.88	5-12-63	1200	29.21

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 45 34	121 39 59	NW 32 11N 3E		39.7	12/23/55		AUG 34-DATE	1934		0.00	USED

Station located 0.1 mi. W of weir, 4.0 mi. SE of Knights Landing.

TABLE 211

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT FREMONT WEIR, EAST END

in feet

STATION NO	WATER YEAR
A02160	1963

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	NR	NR	NR	NR	34.98A	NR	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	37.20	NR	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	36.34	NR	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	35.64	NR	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	34.94	NR	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	34.32	NR	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	33.82	NR	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	33.41A	NR	34.59	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	NR	NR	34.88	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	NR	NR	34.64	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	NR	NR	34.43	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	NR	NR	34.29	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	NR	NR	34.24	NR	NR	NR	NR	NR	13
14	36.50	NR	NR	NR	NR	NR	34.40	NR	NR	NR	NR	NR	14
15	36.63	NR	NR	NR	NR	NR	34.98	NR	NR	NR	NR	NR	15
16	35.32	NR	NR	NR	NR	NR	35.55	NR	NR	NR	NR	NR	16
17	34.30	NR	NR	NR	NR	NR	35.59	NR	NR	NR	NR	NR	17
18	33.48A	NR	NR	NR	NR	NR	35.38	NR	NR	NR	NR	NR	18
19	NR	NR	NR	NR	NR	NR	35.12	NR	NR	NR	NR	NR	19
20	NR	NR	NR	NR	NR	NR	34.94	NR	NR	NR	NR	NR	20
21	NR	NR	NR	NR	NR	NR	34.73	NR	NR	NR	NR	NR	21
22	NR	NR	NR	NR	NR	NR	34.60	NR	NR	NR	NR	NR	22
23	NR	NR	NR	NR	NR	NR	34.33	NR	NR	NR	NR	NR	23
24	NR	NR	NR	NR	NR	NR	34.07	NR	NR	NR	NR	NR	24
25	NR	NR	NR	NR	NR	NR	33.79	NR	NR	NR	NR	NR	25
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30
31	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	2140	37.33	4-9-63	0100	34.96						
2-2-63	0640	37.40	4-17-63	0240	35.63						

A - Mean gage height for period of flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW27 11N 3E		39.3	3/1/40		APR 35-DATE	1935		0.00	USED

Station located approx. 200 ft. N of weir, 5.2 mi. SE of Knights Landing. Gage heights below weir crest (33.50 ft.) are not tabulated.

TABLE 212
DAILY MEAN GAGE HEIGHT
FFATHER RIVER AT OROVILLE

STATION NO	WATER YEAR
A05791	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	35.48	37.58	38.06	37.22	58.85	37.72	39.43	40.16	38.42	36.80	36.10	35.90	1
2	35.62	37.69	38.44	37.23	51.09	37.54	39.00	40.23	38.11	36.78	36.11	35.90	2
3	35.70	37.63	42.36	37.20	46.26	37.47	38.80	40.43	37.88	36.78	36.10	35.89	3
4	35.52	37.63	40.37	37.26	43.46	37.40	38.30	40.52	37.64	36.75	36.12	35.88	4
5	35.46	37.71	39.45	37.32	42.31	37.31	38.78	40.58	37.58	36.75	36.07	35.90	5
6	35.44	37.60	39.02	36.99	41.36	37.18	45.70	40.68	37.48	36.74	36.00	35.92	6
7	35.36	37.58	38.86	36.91	40.76	37.26	48.63	40.88	37.44	36.73	36.01	35.92	7
8	35.40	37.48	38.47	36.99	40.40	37.17	46.10	40.88	37.20	36.71	36.00	35.91	8
9	35.38	37.36	38.08	36.77	40.07	37.02	43.68	40.50	37.12	36.70	36.01	35.93	9
10	35.62	37.70	37.72	36.81	39.75	36.89	42.44	40.10	37.10	36.69	36.04	35.94	10
11	NR	37.48	37.88	37.04	39.57	36.92	41.60	40.17	37.05	36.67	36.00	35.92	11
12	NR	37.31	37.47	36.29	39.48	36.70	41.05	40.00	36.91	36.62	35.99	35.94	12
13	56.31	37.17	37.23	36.27	39.98	36.76	40.75	39.62	36.90	36.62	35.95	36.29	13
14	NR	37.33	37.52	36.73	NR	36.73	44.11	39.38	36.84	36.61	35.91	36.30	14
15	NR	37.36	38.96	36.68	NR	37.01	44.45	39.32	37.15	36.51	35.93	36.27	15
16	41.74	37.30	41.51	36.59	NR	37.00	42.76	39.37	37.11	36.60	35.91	36.00	16
17	40.01	37.28	42.25	36.43	NR	36.76	41.70	39.53	37.09	36.62	35.95	35.85	17
18	39.36	37.17	41.42	36.47	NR	36.79	41.08	39.68	37.04	36.40	35.97	36.01	18
19	38.61	37.01	40.57	36.42	NR	36.88	41.30	39.68	36.95	36.62	35.95	36.18	19
20	38.12	36.97	40.01	36.38	NR	36.87	40.78	39.85	36.94	36.58	36.01	36.20	20
21	38.11	36.77	39.58	36.50	NR	37.00	40.27	39.67	36.97	36.58	35.96	36.20	21
22	37.87	37.01	39.34	36.61	NR	37.01	40.03	39.62	36.97	36.58	35.90	36.13	22
23	37.70	37.00	39.20	36.65	NR	37.71	39.88	39.45	37.02	36.57	35.93	36.18	23
24	37.90	37.00	39.01	36.43	NR	37.43	39.85	39.36	37.00	36.57	35.91	35.85	24
25	38.18	36.96	38.39	36.60	NR	37.30	39.80	39.30	36.95	36.57	35.92	35.92	25
26	37.93	37.21	37.97	36.40	NR	37.28	39.70	39.13	36.90	36.50	35.90	35.96	26
27	37.99	39.10	37.72	36.51	NR	38.31	39.59	39.00	36.88	36.25	35.90	35.73	27
28	37.91	37.72	37.63	36.55	NR	41.92	39.58	38.70	36.84	36.20	35.91	35.71	28
29	37.76	37.78	37.29	36.71		40.49	39.80	38.63	36.84	36.20	35.91	35.72	29
30	37.73	37.92	37.30	38.79		39.98	40.03	38.50	36.82	36.14	35.90	35.71	30
31	37.76	37.27	37.27	52.59		39.84		38.19		36.11	35.90		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1900	60.13	4-7-63	0700	49.64						
1-31-63	2100	65.37	4-14-63	1500	46.36						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 31 06	121 32 57	SW8 19N 4E	230000		3/19/07	OCT 01-DATE	OCT 01-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962		100.00	USCGS

Station located 200 ft. below Oroville-Chico Road bridge, 0.4 mi. NE of Oroville. Flow partly regulated by reservoirs and power plants. The flow was also affected by construction activities at Oroville dam. Records furnished by USGS. Drainage area is 3632 sq. mi.

TABLE 213

DAILY MEAN GAGE HEIGHT
FEATHER RIVER NEAR GRIDLEY

STATION NO	WATER YEAR
A05165	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	26.47	28.92	29.23	28.58	50.13	28.98	31.10	31.79	28.90	26.53	24.49	24.84	1
2	26.58	29.03	29.28	28.56	46.21	28.82	30.59	31.89	28.60	26.48	24.69	24.84	2
3	26.83	29.03	34.42	28.54	41.10	28.73	30.34	31.99	28.37	26.41	24.82	24.86	3
4	26.70	29.00	32.36	28.58	37.50	28.67E	30.06	32.13	28.03	26.37	24.86	24.76	4
5	26.53	29.02	30.95	28.64	35.64	NR	30.02	32.13	27.85	26.39	24.87	24.78	5
6	26.52	29.00	30.32	28.46	34.05	NR	36.41	32.20	27.71	26.40	24.60	24.97	6
7	26.38	28.93	30.11	28.26	33.04	NR	41.29	32.17	27.66	26.40	24.45	25.06	7
8	26.47	28.82	29.70	28.37	32.32	NR	39.64	32.40	27.35	26.40E	24.44	25.10	8
9	26.45	26.71	29.41	28.25	31.88	NR	37.12	31.98	27.18	26.40	24.42	25.15	9
10	26.40	28.84E	29.04	28.23	31.41	NR	35.45	31.46	27.12	26.38	24.49	25.36	10
11	27.72	28.75	29.02	28.41	31.09	NR	34.34	31.39	26.93	26.29	24.75	25.47	11
12	37.95	28.59	28.86	27.96	30.90	28.10	33.46	31.29	26.77	26.25	24.82	25.53	12
13	47.16	28.47	28.63	27.79	31.62	28.03	32.96	30.88	26.57	26.25	24.74	26.02	13
14	48.02	28.56	28.77	28.08	31.63	27.89	35.51	30.55	26.53	26.20	24.57	26.36	14
15	40.72	28.60	29.71	28.09	31.08	28.21	37.71	30.35	27.02	26.11	24.51	26.36	15
16	35.48E	28.57	33.21	28.15	30.80	28.21	35.74	30.30	27.10	26.21	24.51	26.16	16
17	33.26E	28.55	34.36	27.94	30.53	28.03	34.44	30.38	27.03	26.20	24.56	26.02	17
18	31.93E	28.51	33.80	27.98	30.26	27.92	33.58	30.52	26.93	25.81	24.63	26.11	18
19	30.90E	28.46	32.48	27.89	29.99	27.98	33.52	30.47	26.75	26.02	24.73	26.44	19
20	30.08E	28.44	31.66	27.89	29.90	27.98	33.20	30.71	26.74	26.01	24.96	26.57	20
21	29.67E	28.25	31.05	27.89	29.83	28.19	32.57	30.59	26.73	26.02	25.10	26.60	21
22	29.39E	28.38	30.68	28.11	29.61	28.13	32.16	30.43	26.73	26.00	24.95	26.54	22
23	29.09E	28.41	30.43	28.11	29.47	28.80	31.90	30.26	26.84	25.98	24.85	26.59	23
24	29.15E	28.43	30.13	27.91	29.43	28.84	31.76	30.09	26.82	26.02	24.87	26.37	24
25	29.52E	28.42	29.64	28.02	29.26	28.55	31.68	30.00	26.73	26.04	24.86	26.15	25
26	29.23	28.42	29.24	27.89	29.18	28.52	31.58	29.82	26.65	26.01	24.85	26.35	26
27	29.21	30.28	29.01	27.96	29.19	29.04	31.43	29.65	26.62	25.50	24.90	26.21	27
28	29.20	29.11	28.89	27.91	29.00	33.84	31.30	29.36	26.60	25.32	24.88	25.97	28
29	29.04	29.12	28.68	28.09		32.43	31.42	29.21	26.60	25.25	24.92	25.96	29
30	29.00	29.06	28.57	29.14		31.66	31.64	29.09	26.58	25.14	24.84	25.93	30
31	29.03		28.60	39.68		31.46		28.77		24.82	24.82		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	0210	50.23	12-17-62	2310	34.70	2-13-63	1610	31.96	4-7-63	1230	41.92
12-3-62	1020	35.84	2-1-63	0520	51.01	3-28-63	0720	34.82	4-14-63	2400	38.49

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M. O. B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 22 01	121 38 43	SW33 18N 3E		102.25	12/23/55	1/44-DATE	3/29-5/37 # 10/37-4/39 11/39-7/40 10/40-7/43 10/43-DATE	1929	1929	0.00	USED USCGS
										-3.64	

Station located at highway bridge, 2.7 mi. E of Gridley. Water, overflowing the left bank at gage ht. 46.0±, bypasses the station and reenters the main channel downstream. Drainage area is 3,684 sq. mi.

- Flood season only

TABLE 214
DAILY MEAN GAGE HEIGHT

FEATHER RIVER AT YUBA CITY

STATION NO	WATER YEAR
A05135	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	40.10	43.34	43.49	43.04	71.99	43.81	48.49	49.02	46.26	41.83	39.26	39.05	1
2	40.07	43.15	43.41	42.99	70.05	43.70	47.30	49.35	45.64	41.73	39.10	39.05	2
3	40.24	43.21	49.44	42.93	63.99	43.47	46.53	49.58	45.25	41.62	39.09	39.07	3
4	40.29	43.13	51.29	42.93	59.42	43.29	46.13	49.89	44.53	41.56	39.11	39.05	4
5	40.07	43.16	47.79	42.95	56.34	43.27	45.67	50.28	44.14	41.52	39.24	39.00	5
6	40.01	43.14	46.17	42.92	53.76	43.01	52.06	50.89	43.96	41.46	39.21	39.00	6
7	39.96	43.02	45.51	42.56	51.58	43.10	60.28	50.73	43.77	41.40	39.07	39.14	7
8	39.88	42.89	45.08	42.59	49.97	42.99	60.77	51.05	43.51	41.39	39.00	39.26	8
9	40.00	42.69	44.44	42.53	49.16	43.00	58.05	50.69	43.16	41.31	38.96	39.35	9
10	39.85	42.72	44.00	42.30	48.44	42.82	55.56	49.64	43.08	41.28	38.92	39.49	10
11	40.51	43.12	43.62	42.37	47.89	42.52	54.09	49.32	43.02	41.22	38.92	39.64	11
12	47.20	42.71	43.69	42.33	46.85	42.59	52.48	48.95	42.72	41.10	39.04	39.84	12
13	63.74	42.52	43.04	41.69	48.31	42.26	51.18	48.18	42.46	41.00	39.09	40.12	13
14	72.44	42.39	43.00	41.69	49.64	42.26	53.00	47.50	42.35	40.98	39.09	41.03	14
15	65.94	42.53	43.35	42.06	48.36	42.46	58.48	47.24	42.40	40.90	38.96	41.31	15
16	58.04	42.50	48.93	42.05	47.34	42.64	57.10	47.26	42.79	40.79	38.87	41.27	16
17	51.83	42.42	52.03	41.88	46.77	42.92	54.36	47.62	42.87	40.82	38.86	40.98	17
18	48.26	42.40	52.20	41.82	46.36	42.46	52.51	48.24	42.85	40.77	38.90	40.87	18
19	46.61	42.31	50.35	41.79	45.78	42.46	51.92	48.49	42.65	40.37	38.93	41.04	19
20	45.34	42.24	48.43	41.75	45.63	42.35	51.72	49.05	42.38	40.61	38.94	41.41	20
21	44.73	42.06	47.26	41.64	45.37	42.59	50.50	49.22	42.28	40.60	39.08	41.48	21
22	44.43	42.08	46.83	41.77	45.17	42.55	49.54	49.02	42.19	40.61	39.21	41.49	22
23	44.07	42.19	46.08	41.92	44.78	43.24	48.94	48.63	42.17	40.59	39.17	41.42	23
24	43.89	42.19	45.61	41.81	44.64	44.66	48.74	48.06	42.27	40.56	39.10	41.41	24
25	44.10	42.18	45.11	41.74	44.41	43.98	48.63	47.69	42.21	40.57	39.08	40.96	25
26	44.16	42.17	44.33	41.77	44.28	43.59	48.53	47.52	42.09	40.56	39.08	40.89	26
27	43.81	44.01	43.97	41.62	44.18	43.72	48.24	47.21	41.96	40.40	39.04	40.94	27
28	43.84	44.28	43.73	41.62	43.95	52.54	48.09	46.94	41.90	39.93	39.03	40.73	28
29	43.62	43.45	43.50	41.79	52.82	52.82	48.21	47.85	41.83	39.75	39.02	40.55	29
30	43.44	43.26	43.11	42.63	50.01	50.01	48.68	47.15	41.84	39.65	39.05	40.53	30
31	43.43	43.14	43.14	55.65	48.70	48.70	48.70	46.48	46.48	39.48	39.07		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	0840	73.48	12-18-62	0200	52.42	2-14-63	0310	50.09	4-7-63	2400	61.88
12-3-62	2000	53.22	2-1-63	1400	74.22	3-28-63	1250	54.04	4-15-63	1430	59.17

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 08 20	121 36 17	SE23 15N 3E		82.42	12/24/55	7/44-1045 1/46-DATE	8	11/43-DATE	1943 1943	0.00 -3.0	USED USCGS

Station located at Sacramento Northern Railroad Bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,985 sq. mi.

8 - Irrigation season only

TABLE 215

DAILY MEAN GAGE HEIGHT
YUBA RIVER AT ENGLEBRIGHT OAM

STATION NO	WATER YEAR
A61430	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	27.54	27.45	27.63	40.64	28.01	29.01	29.44	29.55	27.48	NF	NF	1
2	NF	27.57	27.59	27.61	33.81	27.99	28.74	29.59	29.10	27.44	NF	NF	2
3	NF	27.54	30.69	27.57	31.52	27.96	28.57	29.71	29.05	27.40	NF	NF	3
4	NF	27.52	29.43	27.56	30.58	27.93	28.48	29.85	28.68	27.37	NF	NF	4
5	NF	27.50	28.70	27.53	30.32	27.91	28.63	30.24	28.43	27.35	NF	NF	5
6	NF	27.49	28.37	27.50	29.76	27.89	32.14	30.55	28.58	27.32	NF	NF	6
7	NF	27.57	28.19	27.47	29.38	27.89	32.43	30.48	28.40	27.29	NF	NF	7
8	NF	27.36	28.06	27.45	29.24	27.88	31.17	30.37	28.35	27.26	NF	NF	8
9	NF	26.82	27.92	27.43	29.14	27.88	30.39	30.28	28.30	27.23	NF	NF	9
10	NF	27.54	27.85	27.42	29.02	27.85	30.06	29.91	28.32	27.18	NF	NF	10
11	NF	27.78	27.80	27.37	28.92	27.80	29.78	29.83	28.40	27.16	NF	NF	11
12	25.58A	27.57	27.74	27.32	28.83	27.75	29.55	29.44	28.19	27.12	NF	NF	12
13	37.86	27.47	27.69	27.31	29.45	27.71	29.43	29.28	28.13	27.08	NF	NF	13
14	35.15	27.43	27.64	27.34	29.34	27.72	30.49	29.15	28.12	27.02	NF	NF	14
15	30.56	27.42	27.86	27.36	28.98	27.82	31.17	29.28	28.15	26.93	NF	NF	15
16	29.18	27.42	29.82	27.35	28.81	27.84	30.44	29.49	28.25	NF	NF	NF	16
17	28.76	27.42	29.88	27.33	28.71	27.92	29.92	29.81	28.25	NF	NF	NF	17
18	28.45	27.39	29.33	27.32	28.61	27.87	29.64	30.20	28.32	NF	NF	NF	18
19	28.26	27.38	28.83	27.30	28.53	27.83	29.75	30.32	28.12	NF	NF	NF	19
20	28.16	27.38	28.52	27.29	28.46	27.85	29.57	30.67	27.99	NF	NF	NF	20
21	28.06	27.38	28.34	27.31	28.40	27.92	29.31	30.59	27.88	NF	NF	NF	21
22	27.95	27.37	28.20	27.32	28.35	27.97	29.12	30.59	27.83	NF	NF	NF	22
23	27.88	27.37	28.10	27.31	28.31	28.41	29.07	30.41	27.85	NF	NF	NF	23
24	27.80	27.36	28.00	27.31	28.26	28.46	29.06	30.12	27.83	NF	NF	NF	24
25	27.72	27.35	27.90	27.30	28.23	28.25	29.08	29.99	27.78	NF	NF	NF	25
26	27.66	27.39	27.83	27.25	28.18	28.17	29.02	30.08	27.68	NF	NF	NF	26
27	27.61	27.90	27.80	27.22	28.10	28.51	28.96	30.18	27.63	NF	NF	NF	27
28	27.58	27.72	27.76	27.23	28.04	30.66	28.99	30.07	27.61	NF	NF	NF	28
29	27.56	27.57	27.72	27.26		29.50	29.12	30.76	27.58	NF	NF	NF	29
30	27.54	27.51	27.68	27.98		29.15	29.30	30.07	27.54	NF	NF	NF	30
31	27.52		27.66	36.38		29.05		29.74		NF	NF		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	2000	40.27	2- 1-63	0430	44.86	4- 6-63	1300	34.05			
12- 3-62	1000	31.42	3-28-63	0500	31.60						

A - Mean gage height for period of flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 14 22	121 16 00	SE14 16N 6E	150000		2/1/63	OCT 41-DATE	OCT 41-DATE	1941	1958	526.99	USCGS
								1958		0.00	USCGS

Station located above spillway of Englebright Dam, 1.0 mi. above Deer Creek, 2.5 mi. NE of Smartville. Flow regulated by Lake Spaulding, Englebright Reservoir, Bowman Lake, Fordyce Lake, and many smaller reservoirs. Maximum discharge listed includes flow through powerhouse. Records furn. by USGS. Drainage area is 1,104 sq. mi.

TABLE 216
DAILY MEAN GAGE HEIGHT
YUBA RIVER NEAR MARYSVILLE

STATION NO	WATER YEAR
A06150	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	61.32	62.15	62.27	62.39	85.09	62.76	65.04	64.72	64.52	60.86	60.13	NR	1
2	61.37	62.13	62.31	62.36	75.70	62.72	64.52	64.88	63.76	60.77	60.13	NR	2
3	61.38	62.16	66.99	62.33	70.17	62.65	64.13	65.02	63.80	60.71	60.12	NR	3
4	61.30	62.14	65.73	62.29	68.16	62.56	63.97	65.22	63.22	60.69	60.13	NR	4
5	61.24	62.10	64.37	62.25	67.48	62.50	64.11	65.63	62.99	60.66	60.13	NR	5
6	61.31	62.07	63.77	62.27	NR	62.47	69.71	66.16	63.14	60.63	60.13	NR	6
7	61.30	62.00	63.43	62.32	NR	62.43	70.71	66.04	62.81	60.62	60.12	NR	7
8	61.28	62.07	63.16	62.21	65.20	62.41	69.17	65.88	62.65	60.45	60.20	NR	8
9	61.03	61.92	62.89	62.18	64.95	62.40	67.68	65.82	62.57	60.53	60.16	NR	9
10	61.00	62.02	62.75	62.16	64.78	62.39	67.03	65.24	62.56	60.43	60.13	NR	10
11	61.17	62.94	62.65	62.15	64.60	62.34	66.51	65.28	62.68	60.35	60.07	NR	11
12	63.94	62.28	62.56	62.10	64.38	62.30	65.92	64.63	62.40	60.30	50.13	NR	12
13	NR	62.16	62.46	62.07	65.56	NR	65.62	64.29	62.25	50.25	50.09	NR	13
14	NR	62.11	62.41	62.09	65.59	NR	67.66	64.07	62.18	50.21	60.07	NR	14
15	69.54	62.08	62.72	62.12	64.89	NR	68.71	64.17	62.17	50.20	NR	NR	15
16	66.04	62.06	66.23	62.13	64.55	NR	67.30	64.41	62.34	50.19	NR	NR	16
17	64.90	62.06	66.45	62.15	64.32	NR	66.36	64.86	62.33	50.17	NR	NR	17
18	64.29	62.05	65.47	62.07	64.13	NR	65.72	65.38	62.49	60.18	NR	NR	18
19	63.85	62.03	64.53	62.05	63.92	NR	66.02	65.53	62.23	60.17	NR	NR	19
20	63.52	62.02	63.94	62.14	63.79	NR	65.61	65.98	61.93	60.17	NR	NR	20
21	63.17	62.01	63.59	62.12	63.66	NR	65.12	65.94	61.75	60.16	NR	60.07	21
22	62.99	62.01	63.32	62.10	63.54	NR	64.71	65.89	61.62	60.16	NR	60.09	22
23	62.85	62.02	63.13	62.08	63.39	NR	64.47	65.67	61.62	60.15	NR	60.08	23
24	62.78	62.02	62.97	62.08	63.29	NR	64.42	65.24	61.61	60.15	NR	59.88	24
25	62.67	62.02	62.81	62.07	63.19	NR	64.37	65.00	61.54	60.15	NR	59.82	25
26	62.58	62.07	62.70	62.02	63.10	NR	64.31	64.97	61.33	60.15	NR	59.78	26
27	62.52	62.75	62.65	62.00	62.94	NR	64.18	64.82	61.14	60.15	NR	59.76	27
28	62.44	62.60	62.59	62.00	62.84	NR	64.16	64.88	61.07	60.16	NR	59.72	28
29	62.35	62.39	62.55	62.03		NR	64.27	66.05	61.02	60.15	NR	59.70	29
30	62.25	62.30	62.46	63.07		NR	64.52	65.14	60.97	60.14	NR	59.67	30
31	62.19		62.39	74.99		NR		64.65		60.14	NR		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	2200	84.68	12-16-62	1140	66.81	2-13-63	1930	66.26	4-13-63	2300	69.30
12-3-62	1300	63.49	2-1-63	0730	88.90	4-6-63	1600	72.93	5-29-63	1000	66.98

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 10 35	121 31 25					7/39-12/44 ⁰ 4/45-DATE	5/40-DATE	1939		0.00	USED

Station located 5 mi. below Dry Creek, 4.2 mi. NE of Marysville. Records furn. by USGS.
Drainage area is 1,335 sq. mi.

⁰ - Irrigation season only

TABLE 217

DAILY MEAN GAGE HEIGHT

FEATHER RIVER BELOW SHANGHAI BEND

STATION NO	WATER YEAR
A05120	1963

in feet

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	33.69	37.84	37.96	37.49	66.72	38.81	44.13	44.59	41.31	35.47E	33.03	32.93	1
2	33.66	37.68	37.91	37.44	64.80	38.70	42.91	44.97	40.38	35.30E	NR	32.92	2
3	33.78	37.74	44.15	37.38	58.95	38.44	41.97	45.23	40.01	35.14E	NR	32.95	3
4	NR	37.65	46.87	37.38	54.70	38.28	41.46	45.56	39.04	35.03	NR	32.87	4
5	NR	37.68	43.19	37.37	51.88	38.28	40.94	46.04	38.48	34.99	NR	32.78	5
6	NR	37.66	41.19	37.34	49.57	38.03	47.11	46.73	38.39	34.96	NR	32.78	6
7	NR	37.52	40.40	37.03	47.36	38.11	54.97	46.64	38.07	34.94	NR	32.86	7
8	NR	37.38	39.89	37.07	45.76	37.98	55.91	46.87	37.76	34.93	NR	33.02	8
9	NR	37.17	39.16	36.98	44.77	37.99	53.61	46.61	37.46	34.83	NR	33.14	9
10	NR	37.16	38.60	36.77	43.96	37.83	51.37	45.50	37.39	34.82	NR	33.23	10
11	33.92	37.73	38.20	36.82	43.35	37.54	49.93	45.08	37.40	34.71	NR	33.32	11
12	40.56	37.36	38.25	36.78	42.71	37.61	48.34	44.59	37.07	34.60	32.88	33.51	12
13	57.78	37.13	37.60	36.12	43.82	37.30	47.07	43.70	36.67	34.51	32.91	33.72	13
14	67.28	36.97	37.56	36.12	45.29	37.30	48.57	42.87	36.60	34.48	32.93	34.47	14
15	61.10	37.06	37.86	36.49	44.02	37.50	53.63	42.57	36.63	34.43	NR	34.70	15
16	53.95	37.04	43.82	36.48	42.86	37.72	52.87	42.67	37.09	34.30	NR	34.72	16
17	47.81	36.94	47.33	36.33	42.19	38.00	50.38	43.17	37.03	34.34	NR	34.53	17
18	43.68	36.91	47.59	36.24	41.72	37.59	48.48	43.95	37.09	34.33	NR	34.41	18
19	41.63	36.83	45.93	36.19	41.09	37.54	47.85	44.25	36.80	33.93	32.79	34.54	19
20	40.19	36.77	43.81	36.14	40.85	37.45	47.68	44.88	36.44	34.17	32.80	34.78	20
21	39.46	36.61	42.42	36.04	40.56	37.61	46.30	45.07	36.20	34.18	32.95	34.79	21
22	39.12	36.62	41.48	36.18	40.33	37.62	45.25	44.82	36.07	34.18	33.11	34.80	22
23	38.70	36.72	40.89	36.33	39.93	38.42	44.57	44.37	36.13	34.17	33.11	34.87	23
24	38.44	36.72	40.36	36.23	39.76	39.79	44.32	43.64	36.21	34.18	33.03	34.92	24
25	38.61	36.71	39.80	36.14	39.54	38.88	44.18	43.17	36.06	34.16	33.03	34.48	25
26	38.70	36.70	38.97	36.14	39.38	38.54	44.06	42.96	35.87E	34.14	33.00	34.43	26
27	38.33	38.34	38.49	35.98	39.21	38.75	43.72	42.58	35.67E	34.03	32.98	34.48	27
28	38.32	38.94	38.25	36.00	38.95	47.27	43.53	42.26	35.59E	33.64	32.94	34.29	28
29	38.14	37.94	38.02	36.16		48.28	43.68	43.38	35.50E	33.48	32.95	34.14	29
30	37.92	37.77	37.62	37.03		45.69	44.19	42.52	35.51E	33.37	32.94	34.11	30
31	37.90		37.62	50.08		44.33		41.62		33.21	32.96		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	0830	68.39	12-18-62	0410	47.76	2-14-63	0330	45.68	4-8-63	0310	56.72
12-3-62	2310	48.42	2-1-63	1450	69.29	3-28-63	1920	49.13	4-15-63	1650	54.38

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 04 44	121 36 08	NE11 14N 3E		76.8	12/24/55	6/44-10/45 Ø 1/46-DATE	11/26-5/37 # 10/37-5/39 11/39-7/41 11/41-7/43 # 10/43-DATE			0.00	USED

Station located approx. 4 mi. S of Yuba City. Flow partly regulated by reservoirs and power plants. High flows rated by means of simultaneous current meter measurements of Yuba River near Marysville and Feather River at Yuba City. Drainage area is 5,343 sq. mi.

Ø - Irrigation season only
- Flood season only

TABLE 218
DAILY MEAN GAGE HEIGHT
BEAR RIVER NEAR WHEATLAND

STATION NO	WATER YEAR
A06550	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	0.58	1.43	1.52	1.62	11.73	NR	3.12	2.29	1.37	0.28	0.31	0.42	1
2	0.57	1.40	1.45	1.61	6.59	1.53	2.71	2.26	1.29	0.29	0.34	0.42	2
3	0.51	1.35	4.96	1.65	5.02	1.25	2.52	2.17	1.23	0.25	0.28	0.44	3
4	0.51	1.35	3.40	1.62	3.97	NR	2.41	2.11	1.27	0.41	0.24	0.50	4
5	0.50	1.30	2.42	1.58	3.40	NR	2.54	2.11	1.16	0.37	0.26	0.47	5
6	0.50	1.31	2.09	1.57	3.02	NR	6.60	2.06	1.21	0.36	0.23	0.45	6
7	0.57	1.32	1.94	1.53	2.88	NR	6.51	1.98	1.11	0.37	0.54	0.45	7
8	0.59	1.42	1.78	1.52	2.59	NR	4.43	2.00	1.02	0.31	0.29	0.48	8
9	0.56	1.37	1.76	1.51	2.50	NR	4.07	2.46	1.04	0.26	0.34	0.45	9
10	0.57	1.54	1.71	1.53	2.56	NR	3.65	2.16	1.03	0.26	0.36	0.45	10
11	1.04	1.45	1.67	1.50	2.30	NR	3.56	2.50	1.03	0.25	0.35	0.52	11
12	3.86	1.40	1.62	1.47	NR	1.65	3.34	2.41	1.04	0.24	0.32	0.56	12
13	14.04	1.37	1.60	1.40	4.47	1.71	3.12	2.21	1.01	0.28	0.37	0.52	13
14	10.16	1.37	1.55	1.30	3.80	1.71	4.59	2.08	0.99	0.32	0.42	0.60	14
15	4.99	1.32	1.84	1.40	2.95	1.90	6.06	2.01	0.98	0.34	0.40	0.66	15
16	3.54	1.36	5.51	1.35	2.56	1.92	4.73	1.96	0.95	0.35	0.45	0.60	16
17	2.93	1.33	4.76	1.26	2.39	2.01	3.68	1.87	0.94	0.34	0.45	0.57	17
18	2.37	1.35	3.28	1.31	NR	1.95	3.28	1.83	0.91	0.30	0.35	0.56	18
19	1.84	1.32	2.68	1.33	NR	1.90	3.76	1.91	0.89	0.43	0.29	0.53	19
20	1.65	1.32	2.33	1.30	NR	1.85	3.58	1.86	NR	0.37	0.28	0.33	20
21	1.56	1.32	2.15	1.30	NR	1.83	3.34	1.90	NR	0.36	0.41	NR	21
22	1.50	1.35	2.05	1.30	NR	1.84	2.99	1.18	NR	0.32	0.45	NR	22
23	1.46	1.30	2.01	1.27	NR	2.35	2.83	0.88	NR	0.29	0.46	NR	23
24	1.83	1.32	1.92	1.27	NR	2.23	2.70	0.95	NR	0.29	0.44	NR	24
25	1.46	1.35	1.83	1.26	NR	1.75	2.51	1.28	NR	0.35	0.45	NR	25
26	1.32	1.32	1.78	1.26	NR	1.92	2.60	1.51	NR	0.42	0.46	NR	26
27	1.42	2.33	1.77	1.04	NR	1.58	2.52	1.50	NR	0.40	0.49	NR	27
28	1.47	2.04	1.77	0.98	NR	7.46	2.45	1.45	NR	0.33	0.57	NR	28
29	1.47	1.55	1.68	1.04	NR	4.70	2.40	1.59	NR	0.32	0.51	NR	29
30	1.45	1.72	1.68	2.55	NR	3.23	2.33	1.53	NR	0.28	0.36	NR	30
31	1.42		1.65	9.60	NR	2.93		1.46		0.27	0.41		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	2200	16.85	12-16-62	2200	6.00	2-13-63	1600	5.57	4-6-63	1400	9.02
12-3-62	1000	6.42	2-1-63	0500	13.95	3-28-63	0800	8.98	4-15-63	1200	6.20

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 00 01	121 24 20	SE 3 13N 5E	33000	19.30	12/22/55	OCT 28-DATE	OCT 28-DATE	1928 1943	1943	81.50 78.92	USCGS USCGS

Station located on U. S. Highway 99E bridge, 1 mi. SE of Wheatland. Tributary to Feather River. Medium and low flows affected by upstream regulation. Records furn. by USGS. Drainage area is 295 sq. mi.

TABLE 219
DAILY MEAN GAGE HEIGHT
FEATHER RIVER AT NICOLAUS

STATION NO	WATER YEAR
R05103	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	21.43	26.43	NR	25.7	48.0	27.6	35.0	33.8	29.5	22.60	NR	20.14	1
2	21.44	26.19	NR	25.6	47.8	27.4	33.8	34.1	28.7	22.39	NR	20.15	2
3	21.49	26.23	NR	25.5	44.8	27.1	32.5	34.2	28.0	22.33	NR	20.17	3
4	21.56	26.14	36.0	25.5	42.6	26.8	31.3	34.4	27.1	22.29	NR	20.17	4
5	21.42	26.09	33.2	25.5	40.8	26.7	30.3	34.8	26.2	22.20	NR	20.04	5
6	21.26	26.12	30.7	25.5	39.5	26.5	34.5	35.3	26.0	22.11	NR	19.99	6
7	21.26	25.98	29.4	25.2	38.0	26.4	41.6	35.4	25.7	22.10	NR	19.98	7
8	21.18	25.85	28.7	25.1	36.7	26.3	43.0	35.4	25.3	22.12	NR	19.99	8
9	21.19	25.65	27.8	25.1	35.8	26.2	41.6	35.5	24.9	21.99	NR	20.08	9
10	21.12	25.52	27.2	24.9	35.1	26.1	40.2	34.7	24.7	21.96	NR	20.54	10
11	21.12	26.10	26.6	24.9	34.6	25.8	39.3	34.0	24.7	21.90	NR	20.72	11
12	30.06	25.90	26.6	24.9	34.3	25.9	38.5	33.9	24.4	21.76	NR	20.74	12
13	40.28	25.58	26.0	24.2	35.1	25.7	37.8	33.0	24.0	21.64	NR	21.07	13
14	49.35	25.33	25.8	24.1	36.7	25.6	38.3	32.0	23.80	21.64	20.11	21.53	14
15	46.36	25.39	26.0	24.5	36.0	25.7	41.3	31.4	23.78	21.55	20.03	21.87	15
16	43.23	25.40	31.2	24.5	35.2	26.2	41.7	31.3	24.3	21.43	19.91	21.87	16
17	39.35	25.32	36.2	24.3	34.5	26.5	40.5	31.6	24.4	21.45	NR	21.83	17
18	36.10	25.29	36.8	24.2	33.8	26.2	39.6	32.3	24.4	21.47	NR	21.70	18
19	33.70	25.18	36.1	24.2	33.0	26.0	38.9	32.8	24.2	21.19	19.93	21.75	19
20	31.28	25.11	34.7	24.1	32.2	25.9	38.7	33.2	23.71	21.19	19.98	22.01	20
21	29.40	25.05	33.6	24.0	31.4	25.9	38.0	33.7	23.46	21.29	20.03	22.16	21
22	28.50	24.86	32.5	24.1	30.6	26.1	37.2	33.4	23.26	21.30	20.22	22.18	22
23	27.82	25.02	31.3	24.3	29.6	26.6	36.6	33.0	23.25	21.28	20.24	22.16	23
24	27.42	25.02	30.3	24.3	29.1	28.6	36.2	32.3	23.40	21.25	20.15	22.15	24
25	27.49	25.02	29.2	24.1	28.8	27.8	35.8	31.6	23.29	21.29	20.12	21.82	25
26	27.48	24.98	28.1	24.1	28.5	27.1	35.4	31.4	23.10	21.30	20.12	21.60	26
27	27.09	26.06	27.3	23.91	28.1	26.9	34.9	31.1	22.80	21.22	20.12	21.72	27
28	27.02	28.13	26.8	23.92	27.9	34.8	34.3	30.6	22.70	20.84	20.11	21.60	28
29	26.86	26.44	26.5	24.0		38.4	33.8	31.5	22.64	20.65	20.10	21.35	29
30	26.57	NR	26.0	24.7		36.7	33.7	31.3	22.69	NR	20.10	21.35	30
31	26.44		25.8	36.2		35.4		30.1		NR	20.10		31

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	0900	50.15	12-18-62	1200	36.85	2-14-63	0900	36.89	4- 8-63	0700	43.16
12- 4-62	0940	36.43	2- 1-63	1600	50.05	3-29-63	0500	38.80	4-15-63	2340	42.14

E - Estimated
NR - No Record
NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 54 00	121 35 00	SE12 12N 3E	357000	51.60	12/23/55	6/21-10/28 0 1/39-DATE	20-DATE	1920	1920	0.00	USED USGS
										-3.3	

Station located at Nicolaus Highway bridge, 2.9 mi. below Bear River, 0.5 mi. SW of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and power plants. Maximum discharge of record is for period 1943 to date. Records furn. by USGS. Drainage area is approx. 5,920 sq. mi.

0 - Irrigation season only

TABLE 220
DAILY MEAN GAGE HEIGHT
NATOMAS CROSS CANAL AT HEAD

STATION NO	WATER YEAR
A02920	1963

in feet

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR	20.26	19.63	20.76	36.35	NP	NP	NR	NR	NR	NR	NR	1
2	NR	20.21	19.58	20.69	38.21	NR	NP	NR	NR	NR	NR	NR	2
3	NR	20.08	20.27	20.65	36.88	NR	NP	NR	NR	NR	NR	NR	3
4	NR	19.91	24.74	20.55	35.91	NR	NR	NR	NR	NR	NR	NR	4
5	NR	19.83	26.29	20.50	35.17	NP	NP	NR	NR	NR	NR	NR	5
6	NR	19.77	25.06	20.48	34.50	NR	NR	NR	NR	NR	NR	NR	6
7	NR	19.81	23.17	20.39	33.82	NR	NR	NR	NR	NR	NR	NR	7
8	NR	19.81	21.55	20.33	33.17	NP	NR	NR	NR	NR	NR	NR	8
9	NR	19.72	20.49	20.26	32.55	NP	NR	NR	NR	NR	NR	NR	9
10	NR	19.64	20.04	20.22	32.01	NR	NR	NR	NR	NR	NR	NR	10
11	NR	19.92	19.83	20.16	31.68	NR	NR	NR	NR	NR	NR	NR	11
12	NR	20.29	19.70	20.04	31.71	NP	NR	NR	NR	NR	NR	NR	12
13	NR	19.92	19.70	19.99	32.34	NR	NR	NR	NR	NR	NR	NR	13
14	39.29	19.68	19.75	19.98	33.31	NR	NR	NR	NR	NR	NR	NR	14
15	37.96	19.63	19.88	19.99	33.11	NP	NR	NR	NR	NR	NR	NR	15
16	35.88	19.61	21.80	20.04	32.70	NR	NR	NR	NR	NR	NR	NR	16
17	34.36	19.59	27.19	20.02	32.24	NR	NR	NR	NR	NR	NR	NR	17
18	32.85	19.60	29.11	20.05	31.58	NP	NR	NR	NR	NR	NR	NR	18
19	30.98	19.62	30.75	20.08	30.81	NR	NR	NR	NR	NR	NR	NR	19
20	28.31	19.65	31.22	20.14	29.80	NR	NR	NR	NR	NR	NR	NR	20
21	25.62	19.59	30.79	20.10	28.66	NR	NR	NR	NR	NR	NR	NR	21
22	23.80	19.57	29.68	20.01	27.42	NR	NR	NR	NR	NR	NR	NR	22
23	22.62	19.65	28.35	20.00	26.05	NR	NR	NR	NR	NR	NR	NR	23
24	21.90	19.59	27.02	20.05	25.18	NR	NR	NR	NR	NR	NR	NR	24
25	21.23	19.63	25.63	19.99	24.73	NR	NR	NR	NR	NR	NR	NR	25
26	20.90	19.65	24.39	19.61	24.32	NR	NR	NR	NR	NR	NR	NR	26
27	20.62	20.00	23.41	19.65	23.92	NP	NR	NR	NR	NR	NR	NR	27
28	20.53	20.87	22.57	19.73	NR	NR	NR	NR	NR	NR	NR	NR	28
29	20.46	20.38	21.85	20.19	NR	NR	NR	NR	NR	NR	NR	NR	29
30	20.34	19.86	21.30	21.47	NR	NR	NR	NR	NR	NR	NR	NR	30
31	20.27		20.93	29.34	NR	NR	NR	NR	NR	NR	NR	NR	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	1150	40.01	12-20-62	1050	31.26	2-14-63	1020	33.39			
12-5-62	1410	26.38	2-1-63	2200	38.66						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 49 19	121 32 34	NE 8 11N 4E				12/49-12/57	12/49-2/58 1/60-DATE#	1955	1955	0.00 0.34	USED USED

Station located at El Centro Boulevard bridge, 4.8 mi. NE of Verona. Tributary to Sacramento River. Backwater from the Sacramento River at times affects the stage-discharge relationship. Gage heights below 18.0 ft. are not recorded.

- Flood season only

TABLE 221

DAILY MEAN GAGE HEIGHT

SACRAMENTO RIVER AT VERONA

STATION NO	WATER YEAR
A02150	1963

In feet

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG.	SEPT	DATE
1	NR	16.63	17.35	19.7	35.2	22.5	31.0	28.4	21.3	13.8	12.3	13.6	1
2	NR	16.36	17.10	19.5	37.8	22.1	30.1	27.9	20.8	13.8	12.2	13.7	2
3	NR	16.30	18.36	19.4	36.6	21.8	28.6	27.6	19.8	13.7	12.3	13.8	3
4	NR	16.15	24.17	19.1	35.6	21.4	26.9	27.3	19.0	13.8	12.6	14.0	4
5	NR	15.91	25.86	18.9	34.8	21.1	25.1	27.1	17.9	13.9	12.8	14.1	5
6	NR	15.77	24.64	18.8	34.1	20.5	25.5	27.0	17.2	13.9	12.9	14.1	6
7	NR	15.67	22.70	18.6	33.4	19.7	31.0	27.1	NR	13.9	12.8	14.4	7
8	NR	15.51	21.06	18.3	32.8	18.8	34.5	26.9	16.4	13.8	12.8	14.7	8
9	NR	15.39	19.79	18.3	32.1	17.8	34.7	27.0	16.2	13.8	12.8	14.9	9
10	NR	15.21	19.00	18.0	31.7	17.0	34.5	27.1	15.9	13.8	13.0	15.0	10
11	NR	15.42	18.4	17.8	31.4	16.5	34.2	27.2	15.8	13.7	13.1	15.4	11
12	NR	15.55	18.1	17.5	31.4	16.1	34.0	27.5	15.8	13.6	13.1	15.7	12
13	NR	15.36	17.8	16.9	31.9	15.9	34.0	27.2	15.4	13.5	13.1	16.1	13
14	NR	15.14	17.3	16.4	32.8	15.6	34.2	26.5	15.1	13.4	13.0	16.4	14
15	NR	15.08	17.4	16.2	32.7	15.5	35.1	25.7	15.0	13.4	12.9	17.0	15
16	NR	15.08	19.8	16.2	32.3	15.8	35.5	25.2	15.3	13.3	12.9	16.9	16
17	NR	15.04	25.5	16.1	31.9	16.1	35.4	24.9	15.4	13.1	12.9	17.0	17
18	NR	14.97	28.7	15.9	31.2	16.3	35.1	24.9	15.4	13.0	13.0	16.8	18
19	30.62	14.90	30.4	15.8	30.4	16.1	34.8	25.1	15.4	13.0	13.0	16.8	19
20	27.95	14.85	30.9	15.6	29.5	15.9	34.5	25.2	14.9	12.9	12.9	16.8	20
21	25.18	14.82	30.4	15.5	28.4	15.7	34.2	25.6	14.4	13.1	12.9	16.8	21
22	23.18	14.67	29.4	15.4	27.2	15.7	33.8	25.7	14.0	13.2	13.1	16.8	22
23	21.92	14.73	28.0	15.5	25.7	15.8	33.5	25.5	14.0	13.1	13.1	16.7	23
24	20.85	14.73	26.6	15.5	24.8	17.4	33.1	25.5	14.2	13.0	13.0	16.5	24
25	20.02	14.72	25.2	15.3	24.3	17.8	32.8	24.2	14.2	12.9	13.1	16.4	25
26	19.28	14.65	23.8	15.4	23.9	17.6	32.4	23.6	14.1	12.9	13.2	16.1	26
27	18.52	14.94	22.8	15.2	23.4	17.4	31.8	23.1	14.0	12.8	13.3	16.0	27
28	18.02	17.31	21.8	15.2	23.0	22.1	31.0	22.5	13.8	12.7	13.4	15.9	28
29	17.59	18.30	21.1	15.2		29.1	30.0	22.4	13.8	12.6	13.4	15.7	29
30	17.20	17.95	20.5	15.8		31.3	29.1	22.7	13.7	12.5	13.3	15.5	30
31	16.74		20.0	23.4		31.5		22.0		12.4	13.4		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	1400E	38.08E	2-1-63	2300	38.14	3-31-63	0300	31.61	4-16-63	1000	35.63
12-20-62	1230	30.96	2-14-63	1500	32.92	4-8-63	2300	34.87	5-12-63	1530	27.50

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE23 11N 3E	79200	41.20	3/1/40	5/26-10/28 ^o 5/29-DATE	5/26-DATE	1926		-0.06	USED

Station located 0.8 mi. SE of Verona, 1.0 mi. below the Feather River. Records furn. by USGS.

^o - Irrigation season only

TABLE 222
DAILY MEAN GAGE HEIGHT
SACRAMENTO RIVER AT SACRAMENTO

STATION NO	WATER YEAR
A02100	1963

in feet

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	3.59	6.51	6.79	8.35	21.91	9.94	18.61	16.15	10.93	4.41	3.98	4.41	1
2	3.84	6.26	6.60	8.16	21.76	9.71	17.09	15.69	10.50	4.53	4.17	4.28	2
3	3.69	6.13	7.19	8.07	25.08	9.44	15.54	15.15	9.77	4.61	4.09	4.31	3
4	3.60	6.07	10.15	7.93	24.59	9.18	13.98	14.89	8.78	4.65	4.06	4.79	4
5	3.49	5.95	12.31	7.87	24.18	8.90	12.44	14.64	7.65	4.72	4.22	4.78	5
6	3.49	5.71	11.83	7.83	22.34	8.61	12.05	14.55	6.64	4.79	4.28	4.54	6
7	3.35	5.57	10.55	7.71	21.02	7.99	18.17	14.61	6.53	4.82	4.27	4.80	7
8	3.31	5.53	9.28	7.41	20.42	7.33	22.62	14.74	6.31	4.69	4.18	4.93	8
9	3.26	5.61	8.47	7.48	19.91	6.81	24.10	15.31	6.19	4.57	4.05	5.11	9
10	3.50	5.57	7.89	7.44	19.48	6.27	24.10	15.93	6.22	4.55	4.04	4.95	10
11	3.79	5.51	7.55	7.07	18.89	5.81	23.95	16.24	5.91	4.57	4.12	5.14	11
12	4.72	5.75	7.37	6.82	18.56	5.40	23.84	16.29	5.88	4.67	4.21	5.37	12
13	11.72	5.73	7.16	6.49	19.09	5.22	23.45	15.82	5.72	4.54	4.13	5.58	13
14	22.68	5.57	6.82	6.01	19.72	5.25	22.32	15.06	5.43	4.45	4.06	5.85	14
15	24.32	5.43	6.79	5.79	19.50	5.13	22.29	14.03	5.46	4.44	4.07	6.23	15
16	22.86	5.29	7.71	5.75	18.84	5.41	22.42	13.20	5.98	4.43	4.32	6.37	16
17	21.34	5.16	11.48	5.60	18.26	5.47	22.30	12.73	6.13	4.33	4.42	6.27	17
18	19.86	5.01	14.43	5.39	17.65	5.44	22.04	12.67	6.17	4.26	4.35	6.20	18
19	18.22	4.89	16.23	5.13	17.04	5.26	21.75	12.79	6.23	4.39	4.29	6.11	19
20	15.99	4.84	17.08	5.06	16.27	5.19	21.99	13.17	5.85	4.36	4.17	6.18	20
21	13.45	4.91	16.99	5.07	15.36	5.20	21.86	14.16	5.64	4.39	4.08	6.07	21
22	11.43	4.91	16.13	5.13	14.30	5.53	21.53	14.35	5.39	4.49	4.27	6.10	22
23	10.35	4.99	14.94	5.18	13.05	5.91	21.05	14.28	5.18	4.38	4.23	5.85	23
24	9.69	5.05	13.73	5.20	12.01	6.77	20.55	13.99	4.97	4.23	4.03	5.71	24
25	8.97	4.94	12.51	5.19	11.46	7.56	19.99	13.41	4.69	3.93	3.94	5.63	25
26	8.38	5.02	11.42	5.16	11.07	7.45	19.62	12.87	4.62	3.81	3.89	5.53	26
27	7.75	5.13	10.61	5.04	10.63	7.59	19.12	12.43	4.77	4.01	4.01	5.61	27
28	7.32	6.21	9.94	5.00	10.24	10.18	18.48	12.09	4.41	4.21	4.16	5.59	28
29	7.12	7.20	9.35	5.02	17.27	17.65	11.62	11.62	4.02	3.98	4.35	5.47	29
30	6.86	7.13	8.87	5.93	19.31	19.31	16.83	11.84	4.05	3.88	4.51	5.39	30
31	6.60		8.54	10.66	19.10	19.10		11.49		3.98	4.44		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0250	24.67	2-2-63	0920	28.42	3-30-63	1200	19.45	4-16-63	1140	22.48
12-20-62	1810	17.22	2-14-63	2110	19.84	4-9-63	1530	24.24	4-20-63	1650	22.13

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW35 9N 4E	104000	30.14	11/21/50	04-05 6/21-11/21 5/24-12/42 8 5/43-DATE	1/04-7/05 20-DATE	1956 1956	1956	0.12 0.00 2.98	USCGS USCGS USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence. Records furn. by USGS.

Note: During periods of tidal influence, mean gage height listed is mean of four tides. See Table 237 for periods when tidal action is affected by flow.

8 - Irrigation season only

TABLE 223

DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT FAIR OAKS

STATION NO	WATER YEAR
A07175	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	1.30	3.33	2.85	2.61	11.82	2.22	4.19	4.00	5.15	3.16	3.18	2.84	1
2	1.43	2.98	2.80	2.64	17.63	2.24	2.51	4.09	5.14	3.18	3.18	2.87	2
3	1.38	2.90	2.61	2.61	12.34	2.25	2.23	3.99	4.89	3.15	3.18	2.90	3
4	1.35	2.96	2.56	2.63	12.15	2.24	1.97	3.95	4.08	3.17	3.15	2.92	4
5	1.32	2.98	2.55	2.61	11.00	2.13	2.15	3.91	3.11	3.16	3.17	2.92	5
6	1.35	2.96	2.52	2.57	6.26	2.02	3.67	3.91	2.91	3.15	3.18	2.90	6
7	1.37	2.72	2.53	2.54	5.00	1.93	7.26	3.93	2.88	3.14	3.18	2.90	7
8	1.37	2.73	2.54	2.56	4.92	1.93	7.71	4.66	2.89	3.12	3.17	2.90	8
9	1.32	2.82	2.55	2.53	4.94	1.94	8.36	5.13	2.89	3.10	3.17	2.91	9
10	1.37	2.76	2.94	2.55	4.90	1.96	8.36	5.88	2.90	3.18	3.16	2.91	10
11	1.37	2.80	2.60	2.59	4.31	1.97	8.38	5.88	2.89	3.28	3.17	2.92	11
12	1.40	2.85	2.62	2.58	4.11	1.94	8.38	5.66	2.90	3.25	3.18	2.92	12
13	2.35	2.83	2.57	2.57	4.08	1.93	6.66	5.00	2.91	3.20	3.18	2.92	13
14	3.82	2.79	2.56	2.55	3.70	1.93	5.00	4.60	3.29	3.18	3.18	2.92	14
15	3.85	2.80	2.58	2.40	3.19	1.93	3.95	4.30	4.00	3.19	3.16	2.92	15
16	3.80	2.79	2.60	2.27	2.44	1.92	3.94	3.83	4.40	3.19	3.16	2.92	16
17	3.70	2.82	2.67	2.04	2.28	1.91	3.92	3.85	4.14	3.18	3.15	2.92	17
18	3.28	2.82	2.67	1.87	1.88	1.95	3.95	3.86	3.95	3.19	3.16	2.92	18
19	3.27	2.87	2.63	1.68	2.08	1.95	4.22	3.86	3.71	3.18	3.20	2.92	19
20	3.29	2.85	2.64	1.72	2.11	1.94	5.23	4.66	3.43	3.18	3.21	2.90	20
21	3.30	2.78	2.69	1.73	2.21	2.13	5.22	5.27	3.46	3.17	3.17	2.73	21
22	3.35	2.73	2.69	1.80	2.26	2.58	5.14	5.21	3.48	3.18	3.14	2.76	22
23	3.35	2.82	2.62	1.74	2.26	3.09	4.73	5.24	3.48	3.15	3.15	2.77	23
24	3.33	2.80	2.70	1.75	2.26	3.81	4.36	5.25	3.15	3.17	3.17	2.79	24
25	3.33	2.81	2.70	1.74	2.25	3.94	3.96	5.23	2.89	3.21	3.18	2.77	25
26	3.33	2.81	2.68	1.74	2.26	3.94	3.96	5.23	2.88	3.19	3.18	2.77	26
27	3.31	2.84	2.68	1.75	2.25	3.94	3.96	5.24	2.87	3.19	3.16	2.78	27
28	3.34	2.84	2.67	1.76	2.21	5.24	3.98	5.23	2.87	3.18	3.18	2.76	28
29	3.33	2.84	2.67	1.73		7.15	3.97	5.13	2.87	3.20	3.18	2.75	29
30	3.32	2.84	2.69	1.72		5.78	3.98	5.13	2.90	3.20	3.18	2.75	30
31	3.33		2.70	4.98		5.02		5.13		3.19	3.17		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 2-63	0600	21.44	4- 8-63	1850	8.67						
3-28-63	2200	7.36									

Other crests insignificant due to upstream regulation.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 38 08	121 13 36	NE17 9N 7E	180000	31.85	11/21/50	NOV 04-DATE	NOV 04-DATE	1904	1930	65.79	USCGS
								1950	1957	64.79	USCGS
								1957		77.53	USCGS

Station located 2,100 ft. below Nimbus Dam, 2.4 mi. E of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at gage ht., site and datum then in use. Records furn. by USGS. Drainage area is 1,889 sq. mi.

TABLE 224
DAILY MEAN GAGE HEIGHT
AMERICAN RIVER AT SACRAMENTO

STATION NO	WATER YEAR
A07140	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	17.87	19.51	18.97	18.65	28.41E	18.59	22.79	20.96	21.42	19.14	19.19	18.91	1
2	17.80	19.23	18.91	18.68	39.29E	18.60	20.71	20.82	21.42	19.22	19.19	18.88	2
3	17.79	19.10	18.78	18.65	33.74E	18.59	19.32	20.60	21.22	19.17	19.19	18.90	3
4	17.77	19.13	18.66	18.66	33.33E	18.59	18.45	20.47	20.32	19.18	19.18	18.91	4
5	17.74	19.16	18.65	18.65	32.65	18.50	18.31	20.36	19.33	19.18	19.18	18.92	5
6	17.74	19.16	18.63	18.63	26.99	18.35	19.17	20.32	18.90	19.17	19.20	18.89	6
7	17.77	18.96	18.62	18.60	24.86	18.18	24.96	20.36	18.90	19.16	19.19	18.90	7
8	17.78	18.92	18.63	18.61	24.41	18.15	27.51	20.98	18.89	19.13	19.19	18.90	8
9	17.74	18.99	18.64	18.60	24.03	18.14	29.14	21.79	18.89	19.11	19.18	18.90	9
10	17.77	18.95	18.63	18.63	23.73	18.10	29.18	22.77	18.90	19.15	19.17	18.89	10
11	17.80	18.95	18.67	18.66	23.00	18.10E	29.09	22.89	18.89	19.30	19.17	18.90	11
12	17.91	19.01	18.69	18.65	22.65	18.10E	29.01	22.79	18.88	19.29	19.19	18.91	12
13	19.19	19.00	18.66	18.63	22.95	18.10E	28.24	21.95	18.91	19.23	19.20	18.91	13
14	25.81	18.96	18.63	18.62	23.29	18.06E	26.12	21.38	19.15	19.20	19.20	18.91	14
15	27.59	18.95	18.66	18.51	22.96	18.17	25.71	20.74	19.82	19.21	19.18	18.90	15
16	26.26	18.94	18.72	18.39	22.20	18.19	25.82	20.13	20.44	19.22	19.18	18.90	16
17	24.83	18.96	18.73	18.20	21.65	18.16	25.69	20.04	20.30	19.22	19.16	18.91	17
18	23.36	18.95	18.99	18.05	20.95	18.19	25.44	20.07	19.99	19.22	19.17	18.91	18
19	21.92	19.01	19.84	17.89	20.47	18.19	25.23	20.06	19.85	19.20	19.21	18.91	19
20	20.39	19.03	20.52	17.87	19.83	18.18	25.78	20.72	19.44	19.20	19.24	18.90	20
21	19.63	18.96	20.55	17.88	19.32	18.31	25.70	21.83	19.47	19.20	19.19	18.75	21
22	19.56	18.85	19.95	17.91	18.90	18.77	25.40	21.77	19.49	19.20	19.16	18.75	22
23	19.57	18.93	19.18	17.93	18.72	19.16	24.90	21.77	19.51	19.17	19.16	18.75	23
24	19.53	18.93	18.86	17.89	18.70E	20.09	24.30	21.76	19.28	19.19	19.18	18.78	24
25	19.53	18.93	18.77	17.90	18.70E	20.28	23.60	21.69	18.91	19.23	19.19	18.77	25
26	19.51	18.93	18.73	17.89	18.70	20.28	23.28	21.62	18.88	19.22	19.19	18.77	26
27	19.50	18.96	18.72	17.89	18.66	20.34	22.87	21.59	18.88	19.21	19.17	18.78	27
28	19.52	18.95	18.71	17.90	18.60	21.39	22.35	21.60	18.88	19.20	19.18	18.77	28
29	19.53	18.96	18.70	17.90		24.75	21.75	21.42	18.88	19.21	19.19	18.75	29
30	19.51	18.94	18.71	18.00		24.34	21.30	21.43	18.90	19.22	19.18	18.75	30
31	19.51		18.72	18.39		23.45		21.42		19.20	19.18		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0220	27.92	2-14-63	1830	23.38	4- 9-63	1340	29.25	4-20-63	1840	25.91
2- 2-63	0830E	41.26E	3-29-63	2130	25.17	4-16-63	1300	25.85			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 34 08	121 25 22	SW 3 8N 5E	176000	45.73	11/21/50	7/21-10/21 5/24-12/42 ^b 5/43- 9/59	7/21-10/21 6/24-11/24 6/25-DATE	1921	1921	0.00 -3.07	USED USCGS

Station located at H Street bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge.

^b - Irrigation season only

TABLE 225

DAILY MEAN GAGE HEIGHT

SCOTT CREEK AT UPPER LAKE

STATION NO	WATER YEAR
A81880	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	FEET
1	2.92	5.00	5.10	5.42	14.61	8.43	9.85	8.44	8.35	7.35	6.20	5.05	1
2	3.02	4.97	5.20	5.40	11.96	8.30	9.49	8.41	8.22	7.29	6.20	5.06	2
3	3.12	4.96	6.45	5.39	9.65	8.42	9.44	8.36	8.29	7.25	6.15	5.02	3
4	3.18	4.97	6.28	5.34	8.49	8.42	9.21	8.46	8.23	7.20	6.11	4.99	4
5	3.23	4.95	6.05	5.32	8.14	8.41	9.11	8.44	8.19	7.15	6.06	4.99	5
6	3.29	4.91	5.86	5.30	7.93	8.37	10.18	8.42	8.20	7.14	6.04	4.93	6
7	3.36	4.90	5.71	5.29	7.77	8.44	10.96	8.43	8.21	7.04	6.00	4.93	7
8	3.43	4.90	5.58	5.27	7.75	8.42	10.78	8.45	8.18	7.05	5.97	4.90	8
9	3.62	4.89	5.48	5.27	7.76	8.45	10.54	8.48	8.19	7.03	5.94	4.88	9
10	3.85	4.89	5.41	5.25	8.40	8.40	10.79	8.48	8.11	7.00	5.91	4.81	10
11	4.09	4.91	5.36	5.24	8.37	8.37	10.70	8.49	8.11	6.98	5.88	4.81	11
12	7.58	4.86	5.29	5.22	8.35	8.44	10.47	8.54	8.05	6.89	5.83	4.79	12
13	6.57	4.85	5.49	5.20	9.16	8.44	10.30	8.55	8.11	6.90	5.74	4.74	13
14	6.74	4.84	6.11	5.19	8.94	8.37	11.31	8.54	8.03	6.86	5.75	4.67	14
15	6.35	4.84	7.09	5.19	8.69	8.41	11.43	8.54	8.00	6.83	5.70	4.59	15
16	6.01	4.83	7.42	5.19	8.56	8.52	10.94	8.57	7.98	6.76	5.67	4.54	16
17	5.74	4.84	7.83	5.18	8.51	8.56	10.13	8.58	7.93	6.71	5.58	4.54	17
18	5.55	4.82	7.76	5.18	8.42	8.54	9.72	8.54	7.92	6.74	5.41	4.51	18
19	5.64	4.84	7.39	5.18	8.40	8.54	9.70	8.58	7.86	6.70	5.38	4.51	19
20	5.60	4.81	7.02	5.17	8.39	8.55	9.45	8.57	7.74	6.69	5.43	4.51	20
21	5.57	4.81	6.65	5.17	8.37	8.55	9.32	8.55	7.77	6.55	5.39	4.51	21
22	5.50	4.81	6.37	5.17	8.39	8.68	9.16	8.58	7.59	6.57	5.40	4.44	22
23	5.38	4.81	6.15	5.17	8.38	8.80	9.00	8.52	7.68	6.55	5.39	4.46	23
24	5.27	4.82	5.95	5.17	8.39	8.81	8.84	8.55	7.62	6.44	5.35	4.65	24
25	5.39	4.80	5.80	5.17	8.40	8.69	8.74	8.51	7.59	6.45	5.29	4.74	25
26	5.18	5.00	5.70	5.17	8.37	8.64	8.56	8.53	7.54	6.41	5.27	4.87	26
27	5.14	6.06	5.62	5.16	8.41	9.23	8.56	8.50	7.52	6.39	5.23	4.75	27
28	5.09	5.38	5.56	5.16	8.44	11.79	8.55	8.47	7.36	6.35	5.21	4.72	28
29	5.06	5.22	5.51	5.21		11.05	8.54	8.47	7.40	6.35	5.16	4.70	29
30	5.00	5.15	5.47	6.46		10.49	8.48	8.39	7.39	6.27	5.14	4.69	30
31	5.00		5.45	12.10		10.27		8.34		6.25	4.88		31

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	
10-12-62	1900	10.02	3-28-63	0930	11.82	4-7-63	1500	11.02	4-15-63	0200	11.58	
2-1-63	0540	14.94	4-3-63	1200	9.44	4-10-63	2010	10.90	4-19-63	0120	9.79	

E - Estimated
 NR - No Record
 NF - No Flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		14.94	2/1/63		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 bridge, 0.7 mi. SW of Upper Lake. Gage ht. reflects the elevation of Clear Lake as well as flow of Scott Creek. Daily gage height shown is at 12 Noon.

TABLE 226
DAILY MEAN GAGE HEIGHT
CACHE CREEK AT YOLO

STATION NO	WATER YEAR
A08125	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	NF	NR	NR	NR	22.76	2.24	9.03	4.80	NF	NF	NF	NF	1
2	NF	NR	NR	NR	10.96	2.21	8.63	4.43	NF	NF	NF	NF	2
3	NF	NR	NR	NR	6.47	2.18	8.28	4.56	NF	NF	NF	NF	3
4	NF	NR	NR	1.63	5.98	2.15	8.19	3.33	NF	NF	NF	NF	4
5	NF	NR	NR	NR	4.87	2.11	8.03	2.64	NF	NF	NF	NF	5
6	NF	NR	NR	NR	4.65	2.09	9.03	2.47	NF	NF	NF	NF	6
7	NF	NR	NR	NR	3.36	2.08	10.29	2.37	NF	NF	NF	NF	7
8	NF	NR	NR	NR	3.10	2.07	10.43	2.28	NF	NF	NF	NF	8
9	NF	NR	NR	NR	3.06	2.05	9.08	2.20	NF	NF	NF	NF	9
10	NF	NR	NR	NR	4.59	2.04	9.56	2.12	NF	NF	NF	NF	10
11	NF	NR	NR	1.52	4.35	2.02	9.68	2.10	NF	NF	NF	NF	11
12	7.31A	NR	NR	1.66A	3.63	2.00	9.16	2.09	NF	NF	NF	NF	12
13	11.32	NR	NR	1.50	7.77	1.98	9.15	2.03	NF	NF	NF	NF	13
14	6.52	NR	NR	1.46	5.35	1.97	13.07	1.95	NF	NF	NF	NF	14
15	3.58	NR	NR	NR	4.31	1.97	13.34	1.85	NF	NF	NF	NF	15
16	2.69	NR	NR	NR	3.81	2.01	11.00	1.76	NF	NF	NF	NF	16
17	2.30	NR	4.15	NR	3.51	2.04	10.10	1.63	NF	NF	NF	NF	17
18	2.06	NR	4.84	NR	3.28	2.05	9.48	NR	NF	NF	NF	NF	18
19	NR	NR	3.42	NR	3.09	2.00	9.22	NR	NF	NF	NF	NF	19
20	NR	NR	2.82	NR	2.94	1.97	9.02	NR	NF	NF	NF	NF	20
21	NR	NR	2.52	NR	2.81	1.96	8.80	NR	NF	NF	NF	NF	21
22	NR	NR	2.33	NR	2.73	1.96	8.48	NR	NF	NF	NF	NF	22
23	NR	NR	2.21	NR	2.62	2.50	8.23	NR	NF	NF	NF	NF	23
24	NR	NR	2.12	NR	2.54	4.01	8.05	NR	NF	NF	NF	NF	24
25	NR	NR	2.07	NR	2.44	4.11	7.94	NR	NF	NF	NF	NF	25
26	NR	NR	NR	NR	2.44	3.62	7.98	NR	NF	NF	NF	NF	26
27	NR	NR	NR	NR	2.37	3.50	7.11	NR	NF	NF	NF	NF	27
28	NR	NR	NR	NR	2.31	12.70	3.57	NR	NF	NF	NF	NF	28
29	NR	NR	NR	NR	NR	10.34	3.28	NR	NF	NF	NF	NF	29
30	NR	NR	NR	4.63A	NR	9.60	3.11	NR	NF	NF	NF	NF	30
31	NR	NR	NR	16.93	NR	9.24	NR	NR	NF	NF	NF	NF	31

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	
10-13-62	0730	14.34	1-31-63	0400	16.20	2-13-63	1130	10.44	4-7-63	1500	12.81	
12-18-62	0200	5.58	2-1-63	0700	26.92	3-28-63	1100	16.52	4-14-63	2000	15.96	

A - Mean gage height for period of flow

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 43 30	121 48 25		41400	33.11	2/25/58	JAN 03-DATE	JAN 03-DATE	1903	1930	58.24	USCGS
								1930	1954	56.27	USCGS
								1954		52.27	USCGS

Station located 800 ft. above U. S. Highway 99W bridge, 0.5 mi. S of Yolo. Tributary to Yolo Bypass. Records furnished by USGS. Drainage area is 1,137 sq. mi.

TABLE 227
DAILY MEAN GAGE HEIGHT
YOLO BYPASS NEAR WOODLAND

STATION NO	WATER YEAR
A02935	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	NR	9.74	NR	11.47	26.73	13.76	21.01	17.19	11.96	10.94	11.12	NR	1
2	NR	9.61	NR	11.02	30.43	13.50	20.82	18.04	11.22	10.84	11.25	NR	2
3	NR	NR	NR	10.80	29.16	13.30	20.64	17.68	10.67	10.80	11.18	NR	3
4	NR	NR	NR	10.86	27.79	12.89	20.47	17.51	10.31	10.73	11.32	NR	4
5	NR	NR	NR	10.63	26.72	12.56	20.43	16.01	10.20	10.73	11.48	NR	5
6	NR	NR	NR	10.42	25.87	12.44	20.45	15.15	10.17	10.71	11.46	NR	6
7	NR	NR	9.61	10.28	24.93	12.22	21.14	14.50	10.19	10.63	11.48	NR	7
8	NR	NR	9.71	10.12	23.68	11.75	24.87	13.80	10.20	10.53	11.48	NR	8
9	NR	NR	9.79	10.29	21.65	11.40	26.08	13.28	10.24	10.43	11.47	NR	9
10	NR	9.66	9.83	10.63	20.23	11.06	25.76	13.11	10.22	10.47	11.45	NR	10
11	NR	9.53	9.80	10.05	20.09	10.82	25.49	13.75	10.07	10.46	11.42	NR	11
12	NR	9.58	9.71	9.73	19.93	10.61	25.24	14.25	9.61	10.43	11.40	NR	12
13	15.17	NR	9.62	9.63	20.63	10.49	25.18	14.43	NR	10.29	11.36	9.47	13
14	27.69	NR	9.54	9.54	22.49	10.47	25.48	14.60	NR	10.20	11.26	9.52	14
15	30.24	NR	9.59	NR	23.14	10.44	26.46	14.28	NR	10.07	11.11	9.47	15
16	28.28	NR	9.74	NR	22.44	10.83	27.00	13.64	NR	10.00	11.14	9.52	16
17	26.25	NR	10.57	NR	21.40	10.86	27.01	12.67	NR	9.92	11.21	9.57	17
18	24.25	NR	15.21	NR	20.45	10.76	26.72	11.83	NR	9.91	11.29	9.62	18
19	21.88	NR	17.34	NR	19.60	10.71	26.36	11.60	NR	10.13	11.32	9.63	19
20	20.24	NR	17.71	NR	18.93	10.51	26.07	11.55	NR	10.25	11.32	9.64	20
21	19.02	NR	16.78	NR	17.93	10.44	25.67	11.50	NR	10.39	11.32	9.62	21
22	17.57	NR	15.78	NR	17.06	10.38	25.25	12.14	NR	10.57	11.47	9.54	22
23	15.85	NR	14.91	NR	16.35	10.72	24.78	12.97	NR	10.70	11.46	9.47	23
24	14.46	NR	14.39	NR	15.77	13.05	24.17	13.75	NR	10.82	11.49	9.45	24
25	13.20	NR	13.83	NR	15.15	15.33	23.34	14.63	NR	10.88	11.57	NR	25
26	12.27	NR	13.27	NR	14.66	15.61	22.19	14.97	NR	11.02	11.56	NR	26
27	11.50	NR	12.89	NR	14.48	15.09	20.92	14.29	9.47	11.07	10.95	9.66	27
28	10.89	NR	12.72	NR	14.00	18.74	18.90	13.19	9.89	11.15	10.48	9.62	28
29	10.43	NR	12.58	NR		21.46	17.65	12.58	10.48	11.13	10.18	9.66	29
30	10.13	NR	12.40	NR		21.22	17.06	12.54	10.85	11.14	10.02	9.54	30
31	9.91		12.02	19.25		21.13		12.56		11.14	9.68		31

CREST STAGES												
	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - Estimated	10-15-62	0200	30.80	2- 2-63	0820	30.62	3-29-63	0120	21.65	4-17-63	0530	27.08
NR - No Record	12-20-62	0420	17.91	2-15-63	0700	23.22	4- 9-63	0500	26.15	5- 2-63	0900	18.21
NF - No Flow												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 40 40	121 38 35	SE28 10N 3E	272000	32.00	2/8/42	3/30-10/38 1/39-DATE	40-41 # 41-DATE	1930	1941	0.73 0.00	USED USED

Station located just above the Sacramento-Woodland Railroad bridge, 6 mi. above the Sacramento Bypass, 7 mi. below Fremont Weir, 7 mi. E of Woodland. Gage heights for low flow are not recorded. Records furnished by USGS.

U - Irrigation season only
- Flood season only

TABLE 228
DAILY MEAN GAGE HEIGHT

YOLO BYPASS ABOVE SACRAMENTO BYPASS

in feet

STATION NO	WATER YEAR
A0291A	1963

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	NR	NR	NR	10.71	19.18	12.60	17.18	15.41	10.98	10.58	10.79	NR	1
2	NR	NR	NR	10.32	25.42	12.36	17.12	15.86	10.45	10.53	10.89	NR	2
3	NR	NR	NR	10.12	24.35	12.23	17.06	15.65	10.07	10.48	10.87	NR	3
4	NR	NR	NR	10.17	22.64	11.84	16.99	15.59	9.65	10.44	11.04	NR	4
5	NR	NR	NR	10.06	21.41	11.46	16.96	14.68	9.47	10.44	11.18	NR	5
6	NR	NR	NR	9.87	19.83	11.34	15.96	13.91	9.45	10.39	11.15	NP	6
7	NR	NR	NR	9.77	18.47	11.17	17.12	13.29	9.41	10.31	11.16	NP	7
8	NR	NR	NR	9.64	17.89	10.76	17.86	12.64	9.45	10.25	11.14	NR	8
9	NR	NR	NR	9.71	17.54	10.50	19.07	12.16	9.49	10.16	11.17	NP	9
10	NR	NR	NR	10.19	17.15	10.19	19.09	11.93	9.52	10.18	11.14	NR	10
11	NR	NR	NR	9.89	17.01	9.99	18.67	12.53	NR	10.18	11.11	NR	11
12	NR	NR	NR	NR	16.91	9.84	18.43	12.94	NR	10.13	11.07	NR	12
13	NR	NR	NR	NR	17.09	9.70	18.32	13.05	NR	9.96	11.04	NR	13
14	19.60	NR	NR	NR	17.47	9.64	18.50	13.21	NR	9.83	10.99	NR	14
15	23.50	NR	NR	NR	17.62	9.72	19.37	12.97	NR	9.69	10.86	NR	15
16	22.28	NR	NR	NR	17.57	9.92	20.26	12.48	NR	9.60	10.84	NP	16
17	20.35	NR	9.96	NR	17.39	10.05	20.62	11.61	NR	9.58	10.91	NR	17
18	18.75	NR	13.52	NR	17.13	9.96	20.47	10.91	NR	9.58	11.02	NR	18
19	17.96	NR	15.52	NR	16.80	9.88	20.00	10.68	NR	9.74	11.06	NR	19
20	17.48	NR	15.83	NR	16.50	9.73	19.48	10.59	NR	9.91	11.07	NP	20
21	16.96	NP	15.30	NR	16.04	9.70	18.93	10.49	NR	10.07	11.05	NP	21
22	16.27	NR	14.57	NR	15.55	9.55	18.44	11.00	NR	10.24	11.15	NP	22
23	15.15	NR	13.83	NR	15.06	9.81	18.08	11.71	NR	10.35	11.14	NP	23
24	13.99	NR	13.37	NR	14.52	11.48	17.85	12.42	NR	10.51	11.22	NP	24
25	12.79	NR	12.85	NR	13.92	13.80	17.63	13.20	NR	10.62	11.29	NP	25
26	11.87	NR	12.29	NR	13.43	14.19	17.40	13.61	NR	10.75	11.26	NR	26
27	11.14	NR	11.92	NR	13.25	13.74	17.14	13.10	NR	10.75	10.69	NR	27
28	10.54	NR	11.77	NR	12.83	15.71	16.47	12.11	9.55	10.80	10.20	NR	28
29	10.10	NR	11.65	NR		17.22	15.80	11.47	10.17	10.83	9.86	NP	29
30	9.80	NR	11.51	NR		17.22	15.41	11.40	10.53	10.83	9.65	NP	30
31	9.60		11.17	15.59		17.21		11.46		10.83	NR		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	1110	23.70	2- 2-63	1420	25.86	4- 9-63	1720	19.28			
12-20-62	0420	15.94	2-15-63	0730	17.63	4-17-63	2030	20.71			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 35 58	121 35 22	NE25 9N 3E		26.9	12/24/55		25-DATE	1925		0.00	USED
								1925		-3.07	USCGS

Station located at intersection of east levee of Yolo Bypass and north levee of Sacramento Bypass, 5.6 mi. NW of Sacramento. Gage heights below 9.5 are not recorded.

TABLE 229
DAILY MEAN GAGE HEIGHT
PUTAH CREEK NEAR WINTERS

STATION NO	WATER YEAR
A91250	1963

in feet

DATE	OCT	NOV.	DEC	JAN.	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	5.27	3.81	3.85	5.05	5.82	4.50	4.28	7.69	6.52	7.23	7.16	6.83	1
2	5.19	4.40	3.86	4.99	4.73	4.55	4.25	7.64	6.54	7.17	7.23	6.87	2
3	5.38	4.57	3.87	4.96	4.42	4.58	4.20	7.66	6.54	7.13	7.00	6.90	3
4	5.46	4.57	3.87	4.98	4.26	4.71	4.16	7.61	6.57	7.18	6.96	6.88	4
5	5.32	4.29	3.87	5.00	4.16	4.91	4.14	7.52	6.79	7.16	7.07	6.71	5
6	5.29	3.83	3.62	5.00	4.49	5.03	4.57	7.46	6.84	7.13	7.10	6.69	6
7	5.38	3.83	3.75	5.00	4.70	5.00	4.67	7.42	6.70	7.20	7.03	6.57	7
8	5.42	3.83	3.80	5.00	4.53	4.94	4.43	7.41	6.74	7.28	7.02	6.56	8
9	5.36	3.83	3.80	5.00	4.48	4.78	4.34	7.35	6.85	6.96	6.96	6.57	9
10	5.23	3.83	3.80	4.99	4.56	4.58	4.39	7.37	6.89	7.18	6.91	6.53	10
11	4.98	3.82	3.82	4.96	4.33	4.48	4.35	7.44	6.91	7.33	6.97	6.41	11
12	4.91	3.82	3.82	4.90	4.40	4.65	4.27	7.48	6.93	7.39	7.03	6.41	12
13	5.25	3.82	3.82	4.90	4.76	4.80	4.32	7.44	6.91	7.42	6.96	6.27	13
14	4.32	3.81	3.84	4.68	4.50	4.86	5.32	7.39	6.90	7.31	6.98	6.04	14
15	3.86	3.81	3.93	4.45	4.42	4.86	4.96	7.33	6.95	7.25	7.17	5.95	15
16	3.81	3.81	3.94	4.44	4.38	4.57	4.74	7.27	6.92	7.32	7.10	6.07	16
17	4.01	3.81	4.24	4.55	4.31	4.31	4.61	7.22	7.09	7.38	7.05	6.12	17
18	4.18	3.81	4.18	4.75	4.25	4.62	4.52	7.15	7.38	7.47	6.89	6.12	18
19	4.18	3.81	4.33	4.75	4.23	4.77	5.00	7.10	7.33	7.51	6.94	6.09	19
20	4.06	3.81	5.56	4.75	4.28	4.70	5.63	7.02	7.12	7.39	6.97	6.09	20
21	3.83	3.82	5.54	4.77	4.50	4.70	6.24	6.87	7.03	7.18	7.04	6.16	21
22	3.84	3.83	5.31	4.82	4.57	4.72	6.60	6.79	7.08	7.23	6.97	5.98	22
23	3.87	3.84	5.25	4.86	4.54	4.21	6.87	6.76	7.28	7.04	6.97	6.01	23
24	3.83	3.83	5.14	5.12	4.53	3.91	7.02	6.68	7.24	7.11	6.90	6.02	24
25	3.82	3.82	5.14	5.55	4.52	3.89	7.20	6.62	7.38	7.09	6.78	6.00	25
26	3.81	3.88	5.14	5.87	4.51	4.02	7.45	6.55	7.44	7.14	6.68	6.25	26
27	3.81	3.87	5.14	5.54	4.51	4.63	7.68	6.48	7.40	7.06	6.61	6.37	27
28	3.81	3.87	5.14	4.86	4.50	5.06	7.62	6.43	7.42	7.18	6.61	6.20	28
29	3.81	3.86	5.07	4.77	4.77	4.74	7.67	6.43	7.37	7.18	6.67	6.02	29
30	3.81	3.85	5.03	5.47	4.48	4.48	7.67	6.53	7.30	7.19	6.62	6.12	30
31	3.82		5.03	7.46	4.37	4.37		6.50		7.14	6.70		31

E - Estimated
NR - No Record
NF - No Flow

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-13-62	1600	6.72	1-31-63	1300	8.77	4-14-63	0850	6.18			
1-30-63	1500	7.00	3-27-63	2120	6.18						
Crests insignificant due to upstream regulation.											

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 30 55	122 04 50	NE28 8N 2W	81000	30.5	2/27/40	JUL 30-DATE	JUN 30-DATE	1930	1940	161.8	USCGS
								1940		160.75	USCGS

Station located 1.3 mi. below Monticello Dam, 6 mi. W of Winters. Flow regulated by Lake Berryessa.
Low-water records are not equivalent to records near Davis. Records furnished by USGS. Drainage area is 577 sq. mi.

TABLE 230
DAILY MEAN GAGE HEIGHT
SAN JOAQUIN RIVER NEAR VERNALIS

STATION NO	WATER YEAR
B07020	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	DATE
1	11.43	12.16	13.62	13.17	NP	16.29	20.31	19.99	23.71	15.11	NR	11.49	1
2	11.48	12.17	13.56	13.15	15.28	15.79	19.39	19.23	23.36	14.62	NR	11.50	2
3	11.50	12.17	13.10	12.79	20.67	15.36	17.86	18.24	22.68	14.29	NR	11.52	3
4	11.54	12.17	12.83	13.29	23.01	14.96	17.35	18.49	22.11	13.53	NR	11.51	4
5	11.62	12.14	13.13	13.28	22.97	14.14	16.92	18.58	20.97	13.35	NR	11.59	5
6	11.63	12.00	13.32	12.89	22.73	13.96	15.73	18.67	19.60	13.18	NR	11.59	6
7	11.76	11.89	13.55	NR	22.17	13.68	15.43	18.54	18.33	13.03	NR	11.59	7
8	11.70	11.91	13.75	NR	NR	13.41	18.00	18.65	17.71	13.52	NR	11.64	8
9	11.37	11.97	13.69	12.81	NR	13.27	19.97	18.91	17.95	13.50	NR	11.74	9
10	11.20	12.00	13.28	13.03	NP	13.01	21.25	19.39	18.27	13.39	NR	11.78	10
11	11.32	12.02	13.05	12.88	NR	NR	20.90	20.24	18.44	13.58	NR	11.77	11
12	11.62	12.03	13.56	13.03	NR	NR	22.34	22.06	19.57	13.26	NR	11.69	12
13	12.30	12.05	13.52	13.98	NP	NR	23.35	23.12	18.86	13.30	NR	11.71	13
14	12.79	12.06	13.49	12.74	NR	NR	21.95	22.67	16.39	13.07	NR	11.87	14
15	12.97	12.12	13.28	NR	22.91	11.98	19.96	21.19	15.17	12.84	NR	NR	15
16	13.02	12.17	13.22	NR	22.36	11.97	21.21	19.78	16.62	NR	NR	NR	16
17	12.83	12.21	13.06	NR	21.34	12.54	21.90	18.65	17.41	NR	NR	12.63	17
18	12.49	12.22	12.84	NR	20.83	13.53	20.48	17.79	16.82	NR	NR	12.64	18
19	12.26	12.20	13.38	NR	20.51	13.12	19.47	18.23	17.96	NR	11.39	12.66	19
20	12.13	12.13	13.71	NR	20.50	NR	19.62	19.93	18.31	NP	11.39	12.67	20
21	12.08	12.18	13.97	NR	19.53	12.17	20.62	20.94	19.85	NR	11.37	12.74	21
22	12.01	12.20	14.25	NR	18.71	11.92	21.60	21.55	20.63	NR	11.31	12.86	22
23	11.84	12.24	14.37	NR	18.37	11.97	21.72	22.09	20.07	NR	11.32	13.08	23
24	11.69	12.18	14.10	NR	17.97	12.15	21.70	22.37	18.25	NR	11.38	12.96	24
25	11.75	12.41	13.82	NR	17.43	NP	21.23	22.89	16.97	NR	11.45	12.87	25
26	11.85	12.76	13.71	NR	17.09	12.76	21.03	23.31	15.64	NR	11.55	12.77	26
27	11.94	12.70	13.25	NR	16.90	12.49	21.11	23.52	14.95	NR	11.50	12.61	27
28	12.02	13.15	13.48	NR	16.60	12.54	20.99	23.15	14.30	NR	11.33	12.39	28
29	12.08	13.31	13.25	NR	NR	14.79	20.01	22.96	14.06	NR	11.31	12.20	29
30	12.13	13.47	13.44	NR	NR	19.35	19.67	23.49	14.80	NR	11.36	12.12	30
31	12.15	NR	13.47	NR	NR	20.08	NR	23.77	NR	NR	11.43	NR	31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-4-63	2000	23.27	4-10-63	1300	21.37	4-17-63	0630	22.13	5-27-63	1030	23.55
2-15-63	1500	23.09	4-13-63	1400	23.49	5-13-63	1420	23.20	5-31-63	1400	23.80

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 40 34	121 15 51		79000	27.75	12/9/50	7/22-12/23 °	7/22-12/23 °				
						1/24-2/25 °	1/24-2/25 °	1931	1959	5.06	USCGS
						6/25-10/28 °	6/25-10/28 °	1959		0.00	USCGS
						5/29-DATE	5/29-DATE	1959		3.3	USED

Station located 30 ft. above the Durham Ferry Highway bridge, 3 mi. below the Stanislaus River, 3.4 mi. NE of Vernalis. Records furn. by USGS. Drainage area is approx. 14,010 sq. mi.

° - Irrigation season only

TABLE 231
DAILY MEAN GAGE HEIGHT

CALAVERAS RIVER AT JENNY LIND

STATION NO	WATER YEAR
802590	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NF	0.88	1.83	0.83	10.51	1.34	1.61	2.16	2.25	2.66	2.68	2.59	1
2	NF	0.77	1.63	0.79	9.58	1.34	1.55	2.16	2.27	2.64	2.68	2.58	2
3	NF	0.93	0.93	0.75	7.78	1.38	1.49	2.15	2.28	2.60	2.68	2.57	3
4	NF	0.70	0.79	0.75	6.16	1.37	1.47	2.14	2.27	2.60	2.67	2.55	4
5	NF	1.51	0.74	0.72	3.49	1.36	1.45	2.12	2.31	2.60	2.67	2.54	5
6	NF	0.88	0.72	0.71	2.72	1.35	1.81	2.12	2.46	2.59	2.66	2.53	6
7	NF	0.74	0.70	0.70	2.47	1.34	3.47	2.12	2.46	2.62	2.69	2.56	7
8	NF	0.72	0.69	0.70	2.35	1.32	2.85	2.13	2.47	2.62	2.72	2.62	8
9	NF	0.70	0.68	0.69	2.24	1.32	2.78	2.13	2.49	2.63	2.67	2.60	9
10	NF	0.69	0.67	0.68	3.14	1.31	2.92	2.14	2.49	2.72	2.62	2.58	10
11	NF	1.13	0.75	0.76	3.30	1.30	2.95	2.16	2.57	2.80	2.61	2.57	11
12	NF	1.45	0.89	0.79	2.79	1.29	4.18	2.16	2.69	2.77	2.61	2.56	12
13	NF	0.92	0.93	0.74	4.21	1.28	5.52	2.15	2.65	2.71	2.60	2.54	13
14	0.90	0.76	0.90	0.72	5.08	1.29	5.50	2.15	2.70	2.69	2.65	2.45	14
15	1.01	0.72	0.96	0.71	3.44	1.30	5.73	2.14	2.75	2.71	2.72	NR	15
16	0.87	0.90	1.49	0.70	1.61	1.31	5.77	2.13	2.73	2.71	2.72	NR	16
17	0.84	0.84	2.13	0.69	1.51	1.34	5.72	2.13	2.72	2.75	2.71	NR	17
18	1.06	0.74	2.44	0.69	1.46	1.33	5.59	2.10	2.78	2.80	2.71	NR	18
19	2.57	1.48	2.15	0.71	1.43	1.32	5.44	2.09	2.85	2.80	2.69	NR	19
20	2.46	1.53	2.06	0.71	1.41	1.31	5.46	2.07	2.87	2.80	2.67	NR	20
21	2.15	0.93	2.40	0.71	1.39	1.31	5.48	2.08	2.88	2.79	2.66	NR	21
22	1.93	0.77	2.23	0.71	1.39	1.31	5.44	2.08	2.97	2.75	2.66	NR	22
23	1.70	0.73	2.13	0.71	1.38	1.36	5.38	2.07	2.96	2.69	2.66	NR	23
24	1.44	0.71	2.10	0.78	1.38	1.36	5.30	2.08	2.95	2.69	2.66	NR	24
25	1.32	0.69	2.07	0.80	1.37	1.35	5.21	2.08	2.95	2.68	2.66	NR	25
26	1.15	0.68	2.02	0.75	1.35	1.33	5.15	2.10	2.87	2.65	2.63	NR	26
27	0.92	1.20	1.96	1.64	1.35	1.39	4.36	2.36	2.78	2.65	2.60	NR	27
28	0.77	1.35	1.71	1.87	1.33	3.03	2.21	2.55	2.77	2.65	2.59	NR	28
29	0.92	1.27	1.79	2.14	1.95	1.95	2.17	2.35	2.72	2.65	2.60	NR	29
30	1.42	1.44	1.75	2.08	1.69	1.69	2.17	2.31	2.67	2.65	2.60	NR	30
31	1.19		1.06	5.10		1.61		2.25		2.68	2.59		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-1-63	0900	11.11									
Other crests insignificant due to upstream regulations.											

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 05 20	120 51 53	NW27 3N 10E	50000	21.0	1/31/11	JAN 07-DATE	JAN 07-DATE	1907	1917	7.00	LOCAL
								1917	1928	2.00	LOCAL
								1928		0.00	LOCAL

Station located 70 ft. below Milton Road bridge, 0.2 mi. S of Jenny Lind. Flow affected by upstream regulation. Records furn. by USGS. Drainage area is 395 sq. mi.

DAILY MEAN GAGE HEIGHT
MOKELUMNE RIVER AT WOODBRIDGE

STATION NO	WATER YEAR
802105	1968

in feet

DATE	OCT	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	DATE
1	4.98	6.15	6.07	7.88	11.73	9.72	6.31	13.15	19.26	9.10	3.84	5.09	1
2	4.57	6.09	6.03	6.48	17.91	9.72	5.76	13.08	17.23	6.72	3.85	4.41	2
3	4.58	6.26	5.98	6.81	21.54	9.36	5.51	12.95	15.90	5.58	3.93	4.00	3
4	4.61	6.24	5.91	7.61	22.39	9.68	5.42	12.92	15.40	5.06	3.87	3.87	4
5	4.48	6.20	5.92	8.22	21.87	9.34	5.37	12.91	14.74	4.82	3.77	3.81	5
6	4.57	6.08	5.93	8.23	16.50	9.64	5.60	12.62	12.94	4.45	3.71	3.69	6
7	4.72	6.14	5.98	8.23	10.62	9.71	8.63	12.60	13.22	4.65	3.74	3.69	7
8	4.84	6.22	5.92	8.26	10.16	9.61	9.33	12.63	13.29	4.74	3.72	3.69	8
9	5.08	6.22	6.06	8.29	9.98	9.79	11.18	12.66	12.71	4.60	3.71	3.77	9
10	5.49	6.36	6.15	8.27	9.95	9.74	12.92	14.26	11.41	4.41	3.73	3.79	10
11	5.61	6.25	6.13	7.96	9.79	7.03	12.93	16.49	11.57	4.27	3.79	3.78	11
12	5.90	6.16	6.13	7.99	9.73	8.46	14.60	16.93	12.57	4.22	3.83	3.77	12
13	6.62	6.04	6.13	8.25	10.22	9.21	13.76	17.25	12.58	4.15	3.78	3.78	13
14	6.71	6.00	6.12	8.26	10.76	9.13	12.98	16.68	12.40	4.19	3.91	4.55	14
15	6.43	6.05	6.17	8.31	9.90	9.19	14.05	16.82	12.12	4.33	3.88	5.00	15
16	6.23	6.00	6.44	8.24	9.75	9.04	13.62	16.78	11.49	4.31	3.86	4.78	16
17	6.12	6.05	6.57	8.27	9.62	7.49	15.38	16.69	12.52	4.35	3.82	5.13	17
18	6.10	6.04	6.31	8.27	9.54	5.81	16.84	17.05	13.76	4.31	3.86	5.00	18
19	6.05	6.05	6.16	8.27	9.50	6.03	17.19	17.97	13.25	4.31	3.89	4.86	19
20	6.09	6.05	6.17	8.27	9.47	6.14	17.29	18.29	13.84	4.47	4.00	5.04	20
21	6.04	5.96	6.13	8.28	9.57	6.22	17.40	18.30	14.64	4.68	4.05	5.02	21
22	6.04	5.96	5.57	8.28	9.63	6.23	17.48	18.30	13.28	4.57	4.02	4.94	22
23	6.08	6.03	5.01	8.30	9.59	6.10	17.43	18.30	11.21	4.22	3.98	4.92	23
24	6.12	5.97	5.10	8.31	9.58	5.96	17.40	18.32	10.76	3.89	3.97	4.71	24
25	6.06	5.98	5.79	8.32	9.57	6.14	17.43	18.72	9.84	3.77	4.49	4.82	25
26	5.93	6.02	6.05	8.30	9.61	6.16	17.47	18.60	9.26	3.79	4.62	5.02	26
27	5.98	6.17	5.95	8.29	9.67	6.42	17.24	17.87	8.51	3.78	4.28	4.95	27
28	6.02	6.09	6.86	8.28	9.72	7.39	14.95	19.10	8.83	3.79	4.35	4.98	28
29	6.06	6.05	7.45	7.21		7.64	14.00	20.41	10.55	3.88	4.15	5.11	29
30	6.03	6.07	8.01	6.69		6.62	13.13	20.29	10.59	3.81	4.15	5.27	30
31	6.10		8.10	6.83		6.42		19.85		3.87	4.55		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	1840	7.19	2-4-63	2100	22.56	3-28-63	1920	8.58	4-12-63	0900	15.44
2-1-63	1600	15.03	2-14-63	0610	11.27	4-7-63	2120	11.63			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE34 4N 6E	27000	29.58	11/22/50	5/24-10/25 0 1/26-DATE	5/24-DATE	1924	1931	18.9	USCGS
								1931		14.9	USCGS

Station located 0.3 mi. below county highway bridge, 0.4 mi. below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and power plants. Records furn. by USGS. Drainage area is 644 sq. mi.

§ - Irrigation season only

TABLE 233
DAILY MEAN GAGE HEIGHT
COSUMNES RIVER AT MICHIGAN BAR

STATION NO	WATER YEAR
811150	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	1.84	2.51	2.60	2.80	11.59	3.61	5.12	4.90	4.32	3.20	2.72	2.50	1
2	1.85	2.50	2.57	2.77	7.26	3.58	4.82	4.95	4.26	3.17	2.68	2.51	2
3	1.90	2.49	2.61	2.76	5.91	3.55	4.65	5.00	4.20	3.16	2.69	2.51	3
4	1.91	2.49	3.01	2.76	5.37	3.51	4.56	5.01	4.13	3.14	2.70	2.48	4
5	1.91	2.48	2.94	2.75	5.06	3.47	4.55	5.04	4.06	3.13	2.66	2.47	5
6	1.92	2.47	2.80	2.72	4.80	3.46	6.19	5.05	4.00	3.11	2.64	2.47	6
7	1.93	2.46	2.72	2.71	4.60	3.46	7.44	5.03	3.96	3.09	2.64	2.46	7
8	1.93	2.46	2.68	2.71	4.44	3.45	6.98	5.04	3.90	3.09	2.64	2.46	8
9	1.94	2.45	2.65	2.70	4.33	3.44	6.32	5.60	3.85	3.07	2.63	2.46	9
10	1.96	2.45	2.63	2.68	4.34	3.44	5.86	5.39	3.81	3.04	2.62	2.45	10
11	2.06	2.47	2.61	2.67	4.26	3.40	5.59	5.48	3.90	3.02	2.62	2.43	11
12	2.76	2.50	2.59	2.65	4.15	3.38	5.33	5.30	3.81	3.00	2.62	2.42	12
13	4.71	2.49	2.59	2.61	5.13	3.35	5.16	5.14	3.74	2.98	2.60	2.45	13
14	6.82	2.47	2.59	2.49	5.00	3.34	5.94	5.02	3.70	2.95	2.59	2.47	14
15	4.23	2.46	2.66	2.59	4.60	3.45	6.23	4.97	3.65	2.93	2.58	2.51	15
16	3.61	2.49	4.11	2.66	4.43	3.47	5.81	4.95	3.61	2.91	2.57	2.51	16
17	3.28	2.49	4.46	2.66	4.34	3.70	5.56	4.94	3.57	2.90	2.57	2.49	17
18	3.13	2.47	3.81	2.64	4.23	3.73	5.35	4.95	3.52	2.89	2.55	2.46	18
19	3.02	2.46	3.50	2.62	4.13	3.56	5.35	4.95	3.48	2.86	2.55	2.47	19
20	2.90	2.45	3.32	2.61	4.07	3.51	5.28	4.93	3.44	2.86	2.53	2.50	20
21	2.84	2.45	3.20	2.61	3.99	3.51	5.19	4.87	3.40	2.86	2.51	2.51	21
22	2.78	2.45	3.12	2.61	3.94	3.52	5.00	4.83	3.37	2.83	2.53	2.50	22
23	2.73	2.45	3.07	2.60	3.82	4.07	4.90	4.66	3.36	2.82	2.51	2.49	23
24	2.68	2.44	3.02	2.59	3.82	4.36	4.83	4.71	3.36	2.81	2.51	2.48	24
25	2.66	2.43	2.96	2.59	3.77	4.00	4.79	4.64	3.37	2.80	2.51	2.50	25
26	2.63	2.44	2.89	2.59	3.73	3.88	4.83	4.57	3.31	2.79	2.52	2.55	26
27	2.61	2.59	2.83	2.58	3.69	4.11	4.78	4.50	3.27	2.78	2.53	2.54	27
28	2.59	3.00	2.83	2.58	3.65	7.19	4.71	4.48	3.25	2.72	2.52	2.52	28
29	2.58	2.77	2.84	2.59		5.60	4.72	4.53	3.22	2.69	2.52	2.52	29
30	2.55	2.65	2.83	3.00		5.11	4.80	4.43	3.21	2.70	2.49	2.51	30
31	2.53		2.82	6.73		4.95		4.36		2.73	2.49		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	0300	8.21	3-28-63	0700	8.49	4-14-63	2000	6.62			
2- 1-63	0900	14.11	4- 7-63	1800	7.70						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.&R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 30 00	121 02 45	SE36 8N 8E	42000	14.59	12/23/55	OCT 07-DATE	OCT 07-DATE	1907		168.09	USCGS

Station located on highway bridge, 5.5 mi. SW of Iatrobe. Flow partly regulated by Jenkinson Lake. Records furn. by USGS. Drainage area is 537 sq. mi.

TABLE 234
DAILY MEAN GAGE HEIGHT
COSUMNES RIVER AT MC CONNELL

STATION NO	WATER YEAR
801125	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN.	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	NF	30.25	30.40	30.46	42.69	31.29	34.83	34.22	33.02	30.82	NF	NF	1
2	NF	30.23	30.34	30.44	43.71	31.24	34.26	34.39	32.92	30.78	NF	NF	2
3	NF	30.21	30.31	30.41	38.50	31.15	33.76	34.48	32.76	30.72	NF	NF	3
4	NF	30.18	30.43	30.38	35.65	31.12	33.47	34.57	32.61	30.72	NF	NF	4
5	NF	30.16	30.87	30.37	34.60	31.05	33.34	34.63	32.44	30.74	NF	NF	5
6	NF	30.16	30.69	30.38	33.84	31.01	35.80	34.62	32.30	30.72	NF	NF	6
7	NF	30.15	30.55	30.37	33.33	31.00	41.12	34.62	32.20	30.74	NF	NF	7
8	NF	30.14	30.46	30.36	32.97	30.98	41.57	34.58	32.08	30.66	NF	NF	8
9	NF	30.13	30.44	30.35	32.70	30.96	38.85	35.89	31.96	30.65	NF	NF	9
10	NF	30.11	30.40	30.32	32.70	30.94	37.26	35.63	31.87	30.62	NF	NF	10
11	NF	30.10	30.38	30.31	32.67	30.92	36.93	35.79	31.92	30.54	NF	NF	11
12	NF	30.14	30.36	30.30	32.44	30.87	35.88	35.66	31.95	30.43	NF	NF	12
13	32.98A	30.19	30.34	30.28	33.98	30.83	35.17	35.12	31.77	30.43	NF	NF	13
14	39.47	30.18	30.34	30.24	35.42	30.80	36.44	34.79	31.67	30.48	NF	NF	14
15	36.13	30.15	30.36	30.16	33.76	30.81	39.82	34.61	31.56	30.41	NF	NF	15
16	32.65	30.14	31.01	30.20	33.10	30.95	36.00	34.51	31.51	30.32	NF	NF	16
17	31.78	30.17	33.91	30.28	32.80	31.08	36.53	34.45	31.42	30.22	NF	NF	17
18	31.34	30.17	32.72	30.26	32.57	31.36	35.76	34.49	31.34	30.17	NF	NF	18
19	31.10	30.14	31.90	30.24	32.31	31.22	35.47	34.47	31.25	30.18	NF	NF	19
20	30.93	30.14	31.47	30.22	32.18	31.08	35.45	34.43	31.19	30.08	NF	NF	20
21	30.80	30.13	31.18	30.20	32.04	30.99	35.31	34.33	31.14	30.15	NF	NF	21
22	30.71	30.12	30.99	30.21	31.92	30.97	34.85	34.23	31.01	30.19	NF	NF	22
23	30.65	30.12	30.88	30.21	31.81	31.19	34.48	33.90	30.97	30.10	NF	NF	23
24	30.57	30.11	30.80	30.22	31.69	32.62	34.24	33.88	30.98	29.99	NF	NF	24
25	30.52	30.11	30.75	30.22	31.59	32.15	34.11	33.82	30.98	29.96	NF	NF	25
26	30.48	30.11	30.66	30.22	31.50	31.79	34.17	33.63	30.95	29.94	NF	NF	26
27	30.45	30.16	30.57	30.22	31.41	31.64	34.16	33.47	30.78	29.91	NF	NF	27
28	NR	30.47	30.49	30.21	31.34	38.12	33.91	33.39	30.95	29.81	NF	NF	28
29	NR	30.73	30.49	30.21		39.15	33.84	33.47	30.88	29.94	NF	NF	29
30	NR	30.51	30.49	30.27		35.63	33.99	33.33	30.85	29.56	NF	NF	30
31	NR		30.47	34.22		34.48		33.15		29.32	NF		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-14-62	2000	41.28	3-29-63	0100	41.74	4-15-63	1200	40.14			
2-1-63	2200	45.52	4-8-63	0500	42.00						

A - Mean gage height for period of flow.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 21 29	121 20 34	20 6N 6E	54000	46.26	12/23/55	10/41-DATE	1/31-5/40 # 10/41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 bridge, 0.2 mi. S of McConnell, 7.0 mi. N of Galt. Maximum discharge of record listed is for period 1943 to date. Records furn. by USGS. Drainage area is 730 sq. mi.

- Flood season only

TABLE 455

DAILY MEAN GAGE HEIGHT
EAGLE LAKE NEAR SUSANVILLE

STATION NO	WATER YEAR
G32100	1963

in feet

DATE	OCT.	NOV.	DEC.	JAN	FEB	MAR.	APRIL	MAY	JUNE	JULY	AUG	SEPT.	DATE
1	1.73	2.90	3.00	3.36E	3.85E	4.38	4.51	5.26	5.44	5.20	4.73	4.31	1
2	1.70	2.92	3.01	3.36E	3.92E	4.38	4.49	5.24	5.44	5.17	4.72	4.32	2
3	1.71	2.92	3.07	3.36E	4.00E	4.39	4.48	5.25	5.43	5.15	4.69	4.31	3
4	1.72	2.92	3.08E	3.36E	4.09	4.37	4.50	5.22	5.39	5.14	4.67	4.30	4
5	1.70	2.93	3.10E	3.37E	4.14	4.37	4.50	5.23	5.39	5.12	4.67	4.28	5
6	1.69	2.92	3.10E	3.37E	4.15	4.38	4.55	5.25	5.38	5.11	4.65	4.28	6
7	1.66	2.92	3.11E	3.37E	4.16	4.38	4.63	5.23	5.36	5.09	4.64	4.26	7
8	1.62	2.91	3.11E	3.37E	4.17	4.38	4.74	5.29	5.37	5.06	4.63	4.26	8
9	1.56	2.90	3.12E	3.38E	4.20	4.38	4.77	5.34	5.38	5.07	4.62	4.26	9
10	1.58	2.92	3.13E	3.38E	4.23	4.38	4.81	5.34	5.38	5.06	4.61	4.25	10
11	1.65	2.90	3.13E	3.38E	4.25	4.37	4.86	5.39	5.37	5.06	4.62	4.21	11
12	2.04E	2.93	3.13E	3.39E	4.24	4.36	4.87	5.40	5.35	5.04	4.62	4.20	12
13	2.32E	2.93	3.13E	3.39E	4.27	4.34	4.89	5.42	5.35	5.04	4.60	4.18	13
14	2.56	2.95	3.13E	3.39E	4.28	4.31	4.90	5.42	5.35	5.02	4.58	4.17	14
15	2.62	2.95	3.14	3.39E	4.29	4.36	4.96	5.41	5.34	5.01	4.56	4.23	15
16	2.63	2.96	3.22	3.39E	4.30	4.34	5.02	5.40	5.34	4.99	4.55	4.22	16
17	2.64	2.95	3.25	3.39E	4.31	4.37	5.04	5.41	5.34	4.95	4.53	4.19	17
18	2.68	2.95	3.30E	3.39E	4.31	4.37	5.03	5.42	5.33	4.95	4.51	4.20	18
19	2.71	2.95	3.32E	3.39E	4.31	4.38	5.09	5.42	5.33	4.93	4.49	4.19	19
20	2.73	2.93	3.33E	3.39E	4.34	4.38	5.12	5.42	5.32	4.92	4.47	4.19	20
21	2.76	2.93	3.33E	3.39E	4.36	4.36	5.14	5.43	5.29	4.90	4.44	4.20	21
22	2.77	2.93	3.34E	3.39E	4.37	4.32	5.16	5.43	5.28	4.89	4.44	4.21	22
23	2.78	2.92	3.35	3.39E	4.37	4.33	5.18	5.43	5.30	4.86	4.43	4.21	23
24	2.80	2.92	3.35	3.39E	4.38	4.37	5.17	5.43	5.29	4.86	4.40	4.19	24
25	2.82	2.89	3.34E	3.39E	4.37	4.37	5.20	5.43	5.28	4.83	4.37	4.18	25
26	2.84	2.92	3.34E	3.39E	4.38	4.34	5.24	5.42	5.27	4.83	4.36	4.16	26
27	2.85	3.01	3.34E	3.39E	4.37	4.35	5.25	5.44	5.24	4.81	4.35	4.14	27
28	2.86	3.02	3.34E	3.39E	4.37	4.39	5.25	5.44	5.21	4.78	4.34	4.13	28
29	2.86	3.00	3.35E	3.39E	4.38	4.38	5.24	5.44	5.21	4.77	4.33	4.12	29
30	2.88	3.01	3.35E	3.42E	4.41	4.41	5.25	5.44	5.21	4.78	4.33	4.12	30
31	2.87		3.36E	3.55E	4.46	4.46		5.45		4.76	4.31		31

CREST STAGES

E - Estimated
NR - No Record
NF - No Flow

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
6-10-63	0250	5.53									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		7.25	6/19/58		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville. Maximum gage height listed does not necessarily indicate maximum discharge.

* TABLE 236
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO WEIR

in feet

STATION NO A02105	WATER YEAR 1963
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DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.94 17.09	NR NR	21.24 20.89	22.73 22.49	42.39 A 30.31 A	24.89 A 24.48 A	33.67 A 32.67 A	31.13 A 30.59 A	25.44 A 24.80 A	NR NR	18.58 17.11	NR NR	
2	18.30 17.18	20.54 20.21	21.01 20.66	22.62 22.35	41.83 A 39.85 A	24.57 24.24	32.68 A 31.18 A	30.58 A 30.18 A	24.98 A 24.27 A	NR NR	18.72 17.25	NR NR	2
3	18.15 17.22	20.54 19.98	23.04 A 20.47 A	22.57 22.27	39.89 A 38.47 A	24.27 24.17	31.18 A 29.68 A	30.17 A 29.66 A	24.29 A 23.35 A	NR NR	18.66 E 17.14	NR NR	3
4	18.13 17.12	20.26 19.95	26.75 A 23.04 A	22.47 22.12	38.48 A 38.21 A	23.85 23.74	29.68 A 28.00 A	29.73 A 29.50 A	23.38 A 22.70 A	NR NR	18.65 17.27	NR NR	4
5	18.02 16.98	20.40 19.80	27.39 A 26.75 A	22.39 22.02	38.21 A 37.43 A	23.60 23.45	28.00 A 26.45 A	29.69 A 29.32 A	22.36 A 21.18 A	NR NR	18.84 17.46	NR NR	
6	17.37 16.87	20.11 19.61	27.28 A 25.85 A	22.39 21.99	37.43 A 35.98 A	23.31 23.10	29.19 A 26.29 A	29.35 A 29.30 A	21.40 20.48	NR NR	18.89 17.55	NR NR	6
7	17.97 16.69	19.96 19.49	25.85 A 24.40 A	22.17 21.86	35.98 A 35.40 A	22.49 22.25	35.97 A 29.19 A	29.45 A 29.30 A	21.30 20.35	NR NR	18.78 17.51	19.33 18.34	7
8	17.85 16.58	19.92 19.40	24.40 A 23.15 A	22.02 21.54	35.40 A 34.87 A	21.94 21.33	38.13 A 35.97 A	29.75 A 29.30 A	21.04 21.18 A	NR NR	18.59 17.42	19.66 18.60	8
9	17.73 16.56	20.08 19.44	23.13 A 22.37 A	22.10 21.54	34.87 A 34.36 A	21.21 20.80	38.56 A 38.13 A	30.03 A 29.75 A	20.78 19.95	NR NR	18.31 17.31	19.27 18.89	9
10	17.73 16.71	19.96 19.36	22.25 21.96	21.90 21.48	34.40 A 33.94 A	20.63 20.16	38.53 A 38.32 A	30.57 A 30.03 A	NR NR	NR NR	18.18 17.36	19.25 18.75	10
11	18.13 16.82	20.16 19.33	22.03 21.56	21.54 21.21	33.96 A 33.46 A	NR NR	38.31 A 38.17 A	30.67 A 30.57 A	NR NR	NR NR	18.44 17.41	19.70 19.06	11
12	17.04 17.40 A	20.35 19.63	21.89 21.33	21.29 20.99	33.51 A 33.40 A	NR NR	38.17 A 38.04 A	30.80 A 30.63 A	NR NR	NR NR	18.74 17.66	20.02 19.27	12
13	33.62 A 21.74 A	20.25 19.74	21.49 21.14	20.85 20.64	34.27 A 33.51 A	NR NR	38.04 A 37.25 A	29.65 A 29.95 A	NR NR	NR NR	18.81 17.63	20.15 19.53	13
14	39.57 A 33.62 A	20.09 19.42	21.23 20.78	NR NR	34.70 A 34.27 A	NR NR	37.24 A 36.80 A	29.95 A 29.00 A	NR NR	NR NR	18.80 17.41	20.56 19.90	14
15	39.58 A 38.46 A	19.97 19.27	21.54 20.69	NR NR	34.59 A 34.11 A	NR NR	37.23 A 37.03 A	29.00 A 28.23 A	NR NR	NR NR	18.81 17.43	20.89 20.07	15
16	38.46 A 36.81 A	19.70 19.24	24.34 A 21.20 A	NR NR	34.11 A 33.46 A	NR NR	37.29 A 37.23 A	28.23 A 27.52 A	NR NR	NR NR	18.90 17.57	21.12 20.37	16
17	36.81 A 35.46 A	19.48 19.10 E	28.30 A 24.36 A	NR NR	33.46 A 32.98 A	NR NR	37.24 A 37.00 A	27.52 A 27.33 A	NR NR	NR NR	19.10 17.67	21.02 20.37	17
18	35.46 A 33.84 A	19.50 18.94	30.51 A 28.30 A	19.91 19.47	32.98 A 32.19 A	NR NR	37.00 A 36.71 A	27.65 A 27.33 A	NR NR	NR NR	18.93 17.64	20.89 20.31	18
19	33.84 A 31.88 A	19.27 18.82	31.85 A 30.51 A	19.68 19.27	32.21 A 31.44 A	NR NR	36.71 A 36.52 A	27.62 A 27.38 A	NR NR	NR NR	18.88 17.42	20.73 20.25	19
20	31.88 A 29.29 A	19.29 18.76	32.16 A 31.85 A	19.71 19.18	31.64 A 30.55 A	NR NR	36.80 A 36.54 A	28.35 A 27.57 A	NR NR	19.03 17.58	18.69 17.48	20.75 20.30	20
21	29.29 A 26.79 A	19.37 18.84	32.11 A 31.54 A	19.76 19.15	30.55 A 29.59 A	NR NR	36.71 A 36.40 A	28.82 A 28.35 A	NR NR	19.00 17.68	18.45 17.40	20.65 20.20	21
22	26.79 A 25.26 A	19.35 18.76	31.54 A 30.41 A	19.78 19.13	29.59 A 28.60 A	NR NR	36.40 A 36.03 A	28.97 A 28.80 A	NR NR	19.11 17.73	18.54 17.64	20.77 20.28	22
23	25.26 A 24.38 A	19.57 18.89	30.41 A 29.14 A	19.86 19.18	28.40 A 27.17 A	20.36 19.79 E	36.03 A 35.50 A	28.90 A 28.62 A	NR NR	18.87 17.64	18.43 17.61	20.42 20.03	23
24	24.38 A 23.57 A	19.48 18.94	29.14 A 27.86 A	19.92 19.20	27.17 A 26.54 A	21.70 20.22	35.51 A 35.05 A	28.62 A 28.08 A	NR NR	18.65 17.48	18.12 17.43	20.08 19.92	24
25	23.45 23.12	19.50 18.88	27.86 A 26.66 A	19.79 19.19	26.39 26.21	21.88 21.58	35.05 A 34.61 A	28.08 A 27.40 A	NR NR	NR NR	18.37 17.44	20.35 19.81	25
26	22.85 22.50	19.59 18.89	26.63 A 25.60 A	19.80 19.14	26.01 25.80	21.74 21.41	34.62 A 34.20 A	27.40 A 26.97 A	NR NR	NR NR	18.39 17.54	20.20 19.59	26
27	22.20 21.83	19.72 18.98	25.60 A 24.86 A	19.60 19.04	25.78 A 25.34 A	21.71 21.32	34.20 A 33.56 A	26.97 A 26.47 A	NR NR	NR NR	18.52 17.65	20.21 19.55	27
28	21.68 21.43	21.57 21.71	24.84 A 24.23 A	19.53 18.97	25.34 A 24.89 A	21.80 A 21.52 A	33.57 A 32.79 A	26.55 A 26.02 A	NR NR	NR NR	18.69 17.70	20.22 19.49	28
29	21.43 21.18	21.87 21.42	24.23 A 23.62 A	19.70 18.95	NR NR	33.55 A 28.80 A	32.79 A 31.86 A	26.12 A 25.94 A	NR NR	NR NR	18.82 17.73	20.12 19.34	29
30	21.13 20.79	21.57 21.34	23.32 23.15	21.26 A 19.41 A	NR NR	34.05 A 33.55 A	31.87 A 31.13 A	26.34 A 25.98 A	NR NR	17.22 E 18.68	18.97 17.82	20.03 19.25	30
31	NR NR		22.94 22.78	30.31 A 21.26 A	NR NR	33.99 A 33.62 A	NR NR	26.04 A 25.42 A	NR NR	18.61 E 17.30	19.03 17.77		31
MAXIMUM	39.58 16.56	21.87 18.76	32.16 20.66	30.31 18.95	42.39 25.80	34.05 NR	38.56 26.29	31.13 25.42	25.44 NR	NR NR	19.10 17.11	21.12 17.80 B	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0120	39.58	2-2-63	0930	41.83	3-30-63	1110	34.05	4-16-63	0440	37.29
2-1-63	2140	42.39	2-14-63	1940	34.70	4-9-63	1540	38.56	4-20-63	1750	36.80

* In order to machine process the data in this table, it was necessary to avoid negative gage heights.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.
B Occurred during period of clock stoppage.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 36 09	121 33 12	NE29 9N 4E		33.1	12/23/55			11,26-7 37 #	1926		USED USCGS
								10-37-DATE	1926	1.0 -7.07	

Station located 100 ft. below weir, 4 mi. NW of Sacramento. Station affected by tidal action.
- Flood season only

*TABLE 23
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
A02100	1963

SACRAMENTO RIVER AT SACRAMENTO in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	14.21 13.01	16.94 16.25	17.12 16.61	18.46 18.19	38.35 A 28.25 A	20.14 19.71	28.93 A 27.88 A	26.50 A 25.88 A	21.27 A 20.56 A	15.05 14.03	15.06 13.28	15.44 13.79	1
2	14.63 13.11	16.62 16.10	16.93 16.37	18.37 17.96	38.42 A 36.23 A	19.99 19.51	27.88 A 26.26 A	25.88 A 25.50 A	20.79 A 20.15 A	15.43 14.11	15.25 13.40	15.24 13.74	2
3	14.53 13.23	16.59 15.72	18.82 A 16.20 A	18.35 17.88	36.22 A 34.67 A	19.64 19.45	26.26 A 24.83 A	25.50 A 24.75 A	20.23 A 19.18 A	15.51 14.09	15.26 13.28	15.19 13.79	3
4	14.52 13.12	16.27 15.72	21.82 A 18.32 A	18.29 17.73	34.67 A 34.49 A	19.34 19.12	24.83 A 23.16 A	25.00 A 24.78 A	19.34 A 17.98 A	15.58 14.07	15.18 13.34	15.51 14.12	4
5	14.44 12.95	16.43 15.58	22.55 A 21.82 A	18.23 17.66	34.69 A 33.52 A	19.14 18.82	23.16 A 21.72 A	24.78 A 24.55 A	18.29 17.16	15.66 14.10	15.31 13.51	15.51 14.19	5
6	14.39 12.84	16.16 15.35	22.46 A 21.21 A	18.25 17.66	33.52 A 31.47 A	18.73 18.48	24.10 A 21.53 A	24.63 A 24.53 A	17.36 16.17	15.74 14.15	15.33 13.58	15.16 14.04	6
7	13.53 12.64	15.91 15.21	21.21 A 19.74 A	18.03 17.58	31.47 A 30.72 A	18.14 17.83	31.28 A 24.10 A	24.73 A 24.59 A	17.29 16.13	15.72 14.18	15.20 13.58	15.57 14.31	7
8	14.36 12.55	15.89 15.18	19.74 A 18.76 A	17.90 17.24	30.72 A 30.17 A	17.62 16.78	33.76 A 31.28 A	25.16 A 24.56 A	17.15 15.73	15.65 13.94	14.98 13.47	15.82 14.49	8
9	14.21 12.52	16.18 15.25	18.65 18.23	17.99 17.22	30.18 A 29.70 A	17.03 16.54	34.24 A 33.76 A	25.48 A 25.16 A	16.81 15.64	15.45 13.87	14.70 13.38	15.34 14.76	9
10	14.22 12.74	16.05 15.20	18.24 17.73	17.83 17.26	29.70 A 29.25 A	16.56 15.93	34.19 A 34.06 A	26.23 A 25.46 A	16.89 15.47	15.35 13.87	14.50 13.41	15.91 14.56	10
11	14.66 12.89	16.24 15.14	18.02 17.36	17.37 16.91	29.25 A 28.65 A	16.09 15.45	34.06 A 33.91 A	26.33 A 26.23 A	16.56 15.29	15.28 13.95	13.86 13.70	15.79 14.76	11
12	16.25 13.61	16.47 15.38	17.94 17.13	17.11 16.68	28.65 A 28.50 A	15.71 15.05	33.92 A 33.81 A	26.43 A 26.24 A	16.49 15.17	15.21 13.94	15.14 13.76	16.09 14.98	12
13	27.79 A 16.57 A	16.38 15.43	17.54 17.03	16.66 16.37	29.47 A 28.63 A	15.61 14.88	33.81 A 32.81 A	26.26 A 25.43 A	16.23 15.05	15.20 13.86	15.21 13.71	16.19 15.14	13
14	34.66 A 27.79 A	16.23 15.25	17.26 16.63	16.24 15.95	29.84 A 29.47 A	15.59 14.94	32.81 A 32.26 A	25.43 A 24.49 A	15.91 14.79	15.25 13.80	15.21 13.56	16.56 15.53	14
15	34.67 A 33.68 A	16.11 15.10	17.60 16.49	16.00 15.55	29.77 A 29.21 A	15.63 14.75	32.41 A 32.25 A	24.49 A 23.66 A	15.86 15.11	15.34 13.95	15.23 13.49	16.79 15.72	15
16	33.68 A 32.04 A	15.69 14.99	19.63 A 16.98 A	16.01 15.52	29.21 A 28.47 A	16.29 14.98	32.48 A 32.41 A	23.66 A 22.83 A	16.35 15.76	15.49 13.91	15.39 13.64	16.99 15.99	16
17	32.04 A 30.72 A	15.38 14.81	23.38 A 19.64 A	15.94 15.37	28.47 A 28.00 A	15.88 15.14	32.43 A 32.18 A	22.86 A 22.63 A	16.85 15.67	15.50 13.72	15.59 13.77	16.87 15.92	17
18	30.72 A 29.13 A	15.45 14.64	25.41 A 23.38 A	15.80 15.15	28.00 A 27.21 A	15.86 15.02	32.18 A 31.90 A	22.77 A 22.63 A	16.93 15.86	15.45 13.60	15.41 13.68	16.74 15.91	18
19	29.13 A 27.27 A	15.18 14.52	26.86 A 25.40 A	15.55 14.92	27.21 A 26.58 A	15.66 15.23	31.91 A 31.72 A	22.90 A 22.65 A	17.11 15.81	15.61 13.73	15.29 13.67	16.54 15.81	19
20	27.27 A 24.77 A	15.22 14.45	27.22 A 26.85 A	15.64 14.86	26.58 A 25.76 A	15.59 14.85	32.13 A 31.75 A	23.76 A 22.84 A	16.78 15.26	15.53 13.62	15.09 13.54	16.59 15.88	20
21	24.77 A 22.34 A	15.35 14.57	27.21 A 26.74 A	15.74 14.79	25.74 A 24.92 A	15.81 14.66	32.04 A 31.74 A	24.29 A 23.76 A	16.75 14.95	15.43 13.68	14.85 13.46	16.49 15.76	21
22	22.34 A 20.78 A	15.36 14.52	26.74 A 25.64 A	15.79 14.84	24.92 A 23.77 A	16.30 14.94	31.74 A 31.38 A	24.47 A 24.29 A	16.38 14.71	15.55 13.75	14.92 13.72	16.64 15.83	22
23	20.78 A 19.96 A	15.59 14.67	25.64 A 24.37 A	15.84 14.89	23.77 A 22.51 A	16.40 15.53	31.38 A 30.79 A	24.43 A 24.17 A	16.01 14.46	15.27 13.66	14.81 13.69	16.29 15.63	23
24	19.98 19.46	15.49 14.74	24.38 A 23.21 A	15.94 14.90	22.51 A 21.79 A	17.53 16.05	30.80 A 30.28 A	24.19 A 23.70 A	15.82 14.28	15.02 13.49	14.71 13.51	15.74 15.48	24
25	19.22 18.78	15.51 14.66	23.21 A 22.03 A	15.82 14.96	21.59 21.41	17.78 17.31	30.28 A 29.83 A	23.70 A 23.09 A	15.41 13.98	14.54 13.17	14.19 13.48	16.20 15.37	25
26	18.65 18.21	15.66 14.63	22.03 A 21.09 A	15.82 14.84	21.26 21.01	17.73 17.23	29.83 A 29.40 A	23.09 A 22.64 A	15.18 14.03	14.39 13.12E	14.74 13.57	16.12 15.21	26
27	18.01 17.59	15.68 14.78	21.09 A 20.37 A	15.61 14.81	20.84 20.55	18.12 17.18	29.40 A 28.84 A	22.64 A 22.20 A	15.33 14.01	14.57 13.49E	14.85 13.64	16.17 15.19	27
28	17.52 17.20	17.30 15.23	20.03 19.80	15.49 14.67	20.52 20.12	18.30 A 18.03	28.84 A 28.11 A	22.30 A 21.77 A	15.11 13.72	15.02 13.62	15.04 13.63	16.21 15.15	28
29	17.41 16.95	17.66 16.92	19.45 19.20	15.64 14.64		29.05 A 24.30	28.11 A 27.20 A	21.82 A 21.60 A	14.93 13.41	15.01 13.47	15.20 13.77	16.18 15.04	29
30	17.15 16.67	17.46 16.98	19.06 18.79	17.21 A 15.11 A		29.45 A 29.05	27.20 A 26.50 A	22.00 A 21.68 A	14.86 13.61	14.92 13.41	15.41 13.92	16.07 14.99	30
31	16.96 16.42		18.69 18.43	25.24 A 17.21 A		29.31 A 28.93 A		21.76 A 21.21 A		15.02 13.42	15.46 13.84		31
MAXIMUM	34.67	17.66	27.22	25.24	38.42	29.45	34.24	26.50	21.27	15.74	15.59	16.99	MAXIMUM
MINIMUM	12.52	14.45	16.37	14.64	20.12	14.66	21.53	21.21	13.41	13.12E	13.28	13.74	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0250	34.67	2- 2-63	0920	38.42	3-30-63	1200	29.45	4-16-63	1140	32.48
12-20-62	1810	27.22	2-14-63	2110	29.84	4- 9-63	1530	34.24	4-20-63	1650	32.13

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF OATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 35 40	121 30 15	NW35 9N 4E	104000	30.14	11/21/50	04-05 6/21-11/21 5/24-12/42 & 5/43-DATE	1/04-7/05 20-DATE	1956	1956	0.12 0.00 2.98	USC&S USC&S USED

Station located 1,000 ft. above I Street bridge, 0.5 mi. below the American River. Below approx. 35,000 c.f.s. the stage-discharge relationship is affected by tidal influence.

8 - Irrigation season only

* TABLE 25
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO 891850	WATER YEAR 1963
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SACRAMENTO RIVER NEAR FREEPORT in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.67 12.58	15.31 14.11	15.41 14.40	16.28 15.65	32.80A 21.74A	17.54 16.86	24.83A 23.92A	22.58A 22.71A	18.49 17.58	14.23 12.64	14.53 12.21	14.72 12.46	1
2	14.12 12.17	15.08 14.03	15.26 14.17	16.21 15.42	32.90A 31.22A	17.53 16.74	23.92A 22.44A	22.05A 21.67A	18.13 17.24	14.61 12.69	14.76 12.35	14.53 12.38	2
3	13.97 12.32	15.09 13.75	15.85A 14.05A	16.29 15.38	31.22A 29.92A	17.19 16.35	22.44A 21.11A	21.75A 21.12A	17.77 16.45	14.70 12.69	14.76 12.18	14.46 12.41	3
4	14.70 12.18	14.92 13.77	18.62A 15.85A	16.30 15.31	29.94A 29.74A	16.92 16.47	21.11A 19.63A	21.37 21.21	17.09 15.61	14.79 12.63	14.67 12.19	14.78 12.83	4
5	13.92 12.71	14.59 13.63	19.32 16.62	16.33 15.28	29.74A 28.95A	16.72 16.08	19.63A 18.48A	21.19 20.94	16.48 15.07	14.89 12.66	14.76 12.35	14.76 12.80	5
6	13.87 11.91	14.56 13.59	19.25 18.22	16.40 15.32	28.95A 27.17A	16.46 15.88	19.94A 18.37A	21.05 20.84	15.85 14.14	14.96 12.70	14.75 12.34	14.27 12.60	6
7	12.94 11.71	14.44 13.30	18.24 17.57	16.21 15.28	27.17A 26.55A	16.12 15.38	26.54A 19.94A	21.13 20.86	15.85 14.14	14.94 12.76	14.62 12.39	14.72 12.91	7
8	13.85 11.65	14.61 13.54	17.18 16.50	16.17 14.92	26.55A 26.78A	15.67 14.75	28.83A 26.54A	21.39 20.87	15.87 13.90	14.89 12.50	14.37 12.29	14.91 13.61	8
9	13.71 11.63	14.90 13.47	16.71 15.86	16.31 14.91	26.08A 25.72A	15.40 14.47	29.43A 28.83A	21.67 21.38	15.67 13.82	14.69 12.46	14.01 12.14	14.99 13.22	9
10	13.77 11.84	14.86 13.56	16.45 15.44	16.19 15.02	25.72A 25.34A	14.92 14.05	29.40 29.27	22.35A 21.66A	15.79 13.68	14.54 12.42	14.14 12.15	13.76 13.01	10
11	14.10 12.00	14.96 13.41	16.36 15.17	15.63 14.77	25.34A 24.76A	14.66 13.63	29.26 29.11	22.50A 22.32A	15.40 13.51	14.45 12.54	13.67 12.44	14.86 13.05	11
12	15.39 12.79	15.28 13.55	16.53 14.99	15.33 14.43	24.76A 24.59A	14.31 13.26	29.17 28.99	22.55A 22.37A	15.29 13.44	14.42 12.56	14.45 12.51	14.99 13.20	12
13	23.57A 14.79A	15.23 13.66	15.99 14.92	14.96 14.24	25.30A 24.72A	14.18 13.16	29.03A 28.30A	22.40A 21.76A	15.02 13.35	14.06 12.56	14.50 12.42	14.98 13.27	13
14	23.57A 23.57A	15.12 13.52	15.75 14.57	14.55 13.87	25.67A 25.30A	14.34 13.26	28.30A 27.69A	21.76A 20.91A	14.85 12.99	14.53 12.55	14.54 12.28	15.20 13.53	14
15	29.82A 29.11A	14.90 13.40	16.01 14.45	14.36 13.56	25.62A 25.12A	14.43 13.07	27.83A 27.71A	20.91A 20.10A	14.68 13.13	14.64 12.73	14.57 12.21	15.39 13.90	15
16	29.11A 27.77A	14.46 13.28	17.04A 14.81A	14.47 13.50	25.12A 24.51A	14.97 13.26	27.93A 27.84A	20.18A 19.84A	15.03 13.71	14.83 12.70	14.80 12.42	15.54 13.98	16
17	27.77A 26.61A	14.10 13.01	19.95A 17.06A	14.55 13.45	24.51A 24.04A	14.53 13.27	27.90A 27.67A	19.52 19.14	15.45 13.83	14.89 12.52	15.03 12.56	15.38 14.02	17
18	26.61A 25.24A	13.78 12.86	21.69A 19.95A	14.45 13.33	24.04A 23.28A	14.35 13.09	27.70 27.39	19.52 19.20	15.75 14.09	14.85 12.37	14.82 12.45	15.26 14.00	18
19	25.24A 23.64A	13.81 12.67	22.93A 21.69A	14.15 13.12	23.32A 22.67A	14.20 12.95	27.45 27.24	19.65 19.38	16.00 14.05	15.02 12.50	14.66 12.38	15.14 13.90	19
20	23.64A 21.47A	13.88 12.63	23.31A 22.93A	14.35 13.12	22.67A 21.92A	14.20 12.86	27.64A 27.25A	20.12 19.58	15.17 13.65	14.95 12.38	14.42 12.26	15.17 14.02	20
21	21.47A 19.31A	14.08 12.78	23.28A 22.90A	14.56 13.05	21.92A 21.17A	14.62 13.47	27.60 27.41	20.82 20.63	15.85 13.43	14.84 12.42	14.15 12.19	15.12 13.94	21
22	19.31A 17.94A	14.22 12.89	22.90A 21.96A	14.66 13.12	21.17A 20.16A	15.06 13.17	27.29 27.10	21.05 20.68	15.57 13.24	14.91 12.46	14.17 12.43	15.22 14.01	22
23	18.10 17.38	14.48 13.04	21.94A 20.79A	14.74 13.15	20.16A 19.15A	15.04 13.70	26.95A 26.46A	21.08 20.67	15.25 12.94	14.61 12.38	14.03 12.42	14.87 13.84	23
24	17.58 16.51	14.37 13.13	20.79A 19.76A	14.90 13.18	18.99 18.62	15.50 13.91	26.47 26.20	20.95 20.35	14.95 12.80	14.36 12.25	13.95 12.22	14.83 13.62	24
25	16.93 16.23	14.40 13.02	19.76A 18.75A	14.82 13.29	18.61 18.21	15.73 14.82	26.03A 25.63A	20.52 19.81	14.56 12.49	13.79 11.90	13.95 12.20	14.78 13.52	25
26	16.40 15.68	14.63 13.00	18.72 18.32	14.78 13.19	18.37 17.90	15.75 14.89	25.66 25.36	20.03 19.36	14.30 12.58	13.37 11.87	14.04 12.30	14.12 13.38	26
27	15.79 15.13	14.58 13.18	18.18 17.65	14.59 13.18	18.06 17.53	16.07 14.85	25.31A 24.77A	19.58 18.89	14.48 12.60	13.84 12.35	13.03 12.33	14.92 13.42	27
28	15.56 14.81	15.59 13.29	17.68 17.12	14.46 13.08	17.85 17.19	20.50A 15.60A	24.77A 24.09A	19.36 18.58	14.27 12.34	14.39 12.55	14.25 12.36	14.97 13.42	28
29	15.60 14.62	15.79 14.54	17.18 16.59	14.43 13.04	24.72A 20.50A	24.72A 20.50A	24.09A 23.24A	18.86 18.23	14.13 12.03	14.41 12.43	14.43 12.42	15.02 13.37	29
30	15.47 14.43	15.69 14.66	16.86 16.16	15.76 13.44	25.25A 24.72A	25.25A 24.72A	23.24A 22.58A	18.85 18.44	14.05 12.27	14.33 12.33	14.70 12.57	14.97 13.37	30
31	15.34 14.26	16.53 15.85	21.74A 15.43A	21.74A 15.43A	25.12A 24.83A	25.12A 24.83A	18.84 18.04	18.84 18.04	14.45 12.35	14.73 12.49	14.73 12.49	15.54 12.38	31
MAXIMUM	29.82 11.63	15.79 12.63	23.31 14.05	21.74 13.04	32.90 17.19	25.25 12.86	29.43 18.37	22.58 18.04	18.49 12.03	15.02 11.87	15.03 12.14	15.54 12.38	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-15-62	0730	29.82	2- 2-63	1700	32.90	3-30-63	1010	25.25	4-16-63	1320	27.93
12-20-62	1720	23.31	2-14-63	2120	25.67	4- 9-63	1930	29.43	4-20-63	1430	27.64

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 28 23	121 31 58	SW10 7N 4E						AUG 55-DATE 1955 1956	1955 1956	4.93 0.00	USCOS USCOS

Station located 10.7 mi. below Sacramento, 1.9 mi. NW of Freeport. Station affected by tidal action.
Maximum gage ht. listed does not necessarily indicate maximum discharge.

* TABLE 239
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
891750	1963

SACRAMENTO RIVER AT SNODGRASS SLOUGH

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.34 14.23	17.26 15.17	17.21 15.26	17.56 16.33	29.09 A 21.31	18.47 17.14	23.23 22.48	21.68 20.89	19.24 17.72	16.79 14.55	17.21 14.32	17.29 14.48	1
2	16.81 14.30	17.07 15.14	17.09 15.09	17.56 16.15	29.43 A 28.34	18.61 17.19	22.52 21.23	21.27 20.62	19.04 17.58	17.14 14.58	17.44 14.47	17.12 14.38	2
3	16.64 14.43	17.11 14.93	16.99 15.01	17.73 16.13	28.36 A 27.39	18.28 16.80	21.38 20.17	21.12 20.17	18.82 17.06	17.28 14.55	17.44 14.26	17.03 14.39	3
4	16.69 14.33	16.91 14.99	16.81 16.32	17.83 16.11	27.63 27.32	18.00 16.55	20.45 19.10	20.89 20.14	18.43 16.64	17.32 14.43	17.35 14.24	17.39 14.93	4
5	16.60 14.13	16.59 14.88	19.28 18.24	17.95 16.14	27.35 27.14	17.96 16.41	19.76 18.24	20.97 19.79	18.29 16.13	17.38 14.45	17.42 14.35	17.33 14.77	5
6	16.58 14.01	16.52 14.63	19.37 18.15	18.08 16.17	26.47 25.79	17.76 16.01	19.42 18.38	20.67 19.96	17.93 15.43	17.52 14.47	17.39 14.39	16.81 14.57	6
7	16.57 13.83	16.58 14.56	18.80 17.31	17.88 16.37	25.10 24.75	17.62 16.27	24.16 A 19.01	20.76 A 20.03	18.05 15.49	17.50 14.55	17.26 14.41	17.21 14.91	7
8	15.77 13.80	16.85 14.68	18.45 16.76	17.94 15.72	24.74 24.41	17.42 15.80	26.09 A 24.16 A	20.86 A 20.01	18.12 15.34	17.47 14.31	16.99 14.32	17.38 14.97	8
9	16.42 13.75	17.18 14.89	18.31 16.71	18.19 15.76	24.34 24.02	17.35 15.57	26.87 A 26.09	21.11 A 20.40	17.99 15.30	17.27 14.26	16.64 14.17	17.43 15.10	9
10	16.45 13.98	17.18 14.98	18.29 16.34	18.07 15.89	24.09 23.75	17.01 15.39	26.93 26.56	21.38 20.61	18.19 15.22	17.08 14.20	16.72 14.20	17.33 14.80	10
11	16.69 14.10	17.28 14.85	18.24 16.09	17.46 15.76	23.69 23.25	16.80 15.05	26.80 26.36	21.67 21.06	17.72 15.08	17.00 14.34	17.04 14.53	16.31 14.78	11
12	17.83 15.13	17.60 14.89	18.28 16.02	17.09 15.32	23.24 22.92	16.48 14.72	26.68 26.28	21.63 21.12	17.56 15.03	16.98 14.43	17.11 14.61	17.44 14.86	12
13	21.85 A 16.24	17.59 A 15.02	17.95 15.94	16.79 15.13	23.51 23.02	16.33 14.61	26.58 26.08	21.48 20.71	17.33 15.02	17.11 14.50	15.78 14.42	17.37 14.88	13
14	26.87 A 26.79	17.47 A 14.90	17.78 15.67	16.36 14.89	23.90 23.46	16.58 14.79	25.85 25.38	21.06 20.17	16.71 14.61	16.32 14.53	17.11 14.28	17.52 15.03	14
15	27.18 26.79	17.18 14.86	17.95 15.61	16.27 14.69	23.80 23.43	16.75 14.63	25.62 A 25.39	20.31 A 19.37	17.08 14.68	17.24 14.74	17.16 14.18	17.65 15.36	15
16	26.52 25.92	16.73 14.68	18.04 15.89	16.45 14.66	23.36 22.86	17.03 14.86	25.73 A 25.55	19.94 A 18.77	17.33 15.13	17.42 14.62	17.41 14.46	17.74 15.44	16
17	25.41 24.91	16.30 14.36	19.66 17.16	16.52 14.69	22.90 22.48	16.71 14.65	25.72 A 25.41	19.57 A 18.61	17.69 15.44	17.52 14.50	17.64 14.60	17.53 15.46	17
18	24.37 23.86	15.95 14.23	20.66 19.32	16.62 14.69	22.53 21.85	16.34 14.37	25.60 25.19	19.73 18.76	18.11 15.64	17.47 14.31	17.41 14.48	17.39 15.43	18
19	23.24 22.63	15.97 14.00	21.43 20.57	16.32 14.49	22.18 21.36	16.25 14.25	25.44 25.07	19.93 18.94	18.35 15.54	17.72 14.42	17.24 14.38	17.18 15.35	19
20	21.71 20.92	16.08 13.95	21.98 21.47	16.64 14.42	21.77 21.34	16.34 14.23	25.57 25.29	20.31 19.16	18.21 15.27	17.61 14.36	17.04 14.28	17.29 15.50	20
21	20.09 19.24	16.35 14.19	22.03 21.48	16.94 14.53	21.22 20.70	16.95 14.60	25.63 25.10	20.86 19.81	18.37 15.15	17.47 14.34	16.76 14.23	17.28 15.48	21
22	19.56 18.17	16.58 14.41	21.62 21.22	17.06 15.02	20.62 19.94	17.28 15.02	25.39 24.95	20.98 19.86	18.12 14.99	17.56 14.39	16.76 14.46	17.37 15.48	22
23	18.79 17.59	16.82 14.59	21.04 20.48	17.16 14.57	20.01 19.09	17.25 15.48	25.15 24.65	21.10 19.88	17.79 14.70	17.21 14.33	16.58 14.46	16.99 15.38	23
24	18.59 17.17	16.70 14.74	20.40 19.74	17.34 14.57	19.51 18.47	17.16 15.07	24.83 24.28	21.11 19.68	17.41 14.52	16.97 14.22	16.53 14.28	16.97 15.05	24
25	18.12 16.74	16.74 14.51	19.97 19.06	17.24 14.69	19.24 18.06	17.24 15.51	24.53 23.88	20.84 19.31	17.07 14.27	16.39 13.89	16.53 14.30	16.94 14.94	25
26	17.71 16.35	17.04 14.46	19.58 18.32	17.19 14.63	19.00 17.94	17.33 15.65	24.24 23.60	20.48 18.96	16.93 14.40	16.44 13.87	16.61 14.38	17.19 14.85	26
27	17.30 15.96	16.94 14.66	19.17 17.78	17.04 14.62	18.81 17.68	17.62 15.67	23.81 23.17	20.06 18.56	16.77 14.42	17.02 14.44	16.81 14.35	16.61 14.95	27
28	17.21 15.65	17.33 14.56	18.80 17.38	16.88 14.56	18.67 17.44	19.64 A 16.43	23.27 22.63	19.89 18.39	16.05 14.22	17.07 14.71	15.65 14.37	17.24 14.98	28
29	17.38 15.51	17.40 15.27	18.40 16.97	16.67 14.52	19.51 18.47	22.76 A 19.64 A	22.62 21.92	19.39 17.91	16.65 13.98	15.72 14.65	17.00 14.42	17.36 14.98	29
30	17.37 15.46	17.40 15.36	18.20 16.70	17.81 14.93	18.93 17.81	22.57 A 22.77 A	22.12 21.34	19.29 18.18	16.59 14.30	16.99 14.44	17.26 14.55	17.35 14.99	30
31	17.29 15.33		17.82 16.37	21.30 A 16.30		23.49 23.04		19.43 17.96		17.11 14.48	17.31 14.47		31
MAXIMUM	27.18	17.60	22.03	21.30	29.43	23.57	26.93	21.68	19.24	17.72	17.64	17.74	MAXIMUM
MINIMUM	13.75	13.95	15.01	14.42	17.44	14.23	18.24	17.91	13.98	13.67	14.17	14.38	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-	2-63	1200	29.43								
3-	30-63	0930	23.57								

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R M D.B.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 21 02	121 31 56	SW22 6N 4E		20.5	12/23/55		AUG 39-DATE	1939	1939	0.00 -7.02	USED USCGS

Station located 0.2 mi. above head of Slough (leveled off from river), W of State Highway 24, 2.5 mi. NE of Courtland. Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

* TABLE 240
DAILY MAXIMUM AND MINIMUM TIDES

DELTA CROSS CHANNEL AT WALNUT GROVE

(in feet)

STATION NO	WATER YEAR
B91700	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	14.66 12.10	15.17 12.38	15.02 12.18	NR NR	NR NR	14.59 11.58	15.15 12.19	NR NR	15.32 12.83	15.04 12.38	15.51 12.29	15.59 12.33	1
2	15.10 12.22	15.06 12.32	14.84 12.07	NR NR	NR NR	15.05 11.92	14.65 11.78	NR NR	15.34 12.87	15.31 12.38	15.75 12.42	15.43 12.19	2
3	14.99 12.35	15.12 12.20	14.34 12.08	NR NR	NR NR	14.69 11.39	14.34 11.44	NR NR	15.31 12.43	15.44 12.39	15.74 12.17	15.34 12.24	3
4	14.99 12.25	14.90 12.29	13.99 10.84	14.69 11.43	NR NR	14.63 11.19	14.39 11.71	NR NR	15.21 12.26	15.59 12.24	15.70 12.17	15.64 12.88	4
5	14.90 12.06	14.57 12.16	14.09 10.91	14.87 11.56	17.23 15.88	14.58 11.14	14.69 12.44	NR NR	15.53 12.43	15.65 12.24	15.72 12.24	15.50 12.63	5
6	14.87 11.91	14.54 11.88	14.40 11.18	15.06 11.55	16.78 14.97	15.27 12.29	14.79 11.95	NR NR	15.52 12.87	15.74 12.29	15.69 12.29	15.00 12.38	6
7	14.85 11.73	14.57 11.90	14.49 11.46	15.59 12.26	16.55 14.15	15.32 12.74	15.29 12.21	NR NR	16.06 13.00	15.77 12.32	15.57 12.37	15.41 12.76	7
8	14.10 11.71	14.89 12.09	14.72 11.49	15.76 12.63	16.34 13.59	15.29 12.71	16.09 13.72	NR NR	16.19 12.92	15.72 12.09	15.33 12.24	15.51 12.92	8
9	14.73 11.68	15.24 12.37	14.97 11.95	15.97 12.68	16.24 13.31	15.25 12.98	16.32 14.76	NR NR	16.12 12.94	15.54 12.06	14.97 12.12	15.60 12.85	9
10	14.73 11.85	15.28 12.31	15.07 11.67	15.93 12.87	16.22 13.57	14.99 12.67	15.87 14.20	NR NR	16.28 12.88	15.37 11.99	15.07 12.16	15.48 12.53	10
11	14.95 12.07	15.29 12.52	15.21 11.44	15.29 12.77	15.57 13.39	14.84 12.44	15.64 13.69	NR NR	15.88 12.71	15.29 12.18	15.39 12.55	14.43 12.46	11
12	15.58 12.97	15.66 12.24	15.32 11.54	14.89 12.29	15.23 12.91	14.48 12.27	15.72 13.64	NR NR	15.73 12.70	15.21 12.29	15.61 12.59	15.56 12.48	12
13	15.90 13.08	15.61 12.40	15.13 11.54	NR NR	15.14 12.79	14.35 12.17	15.72 13.37	NR NR	15.50 12.74	15.38 12.42	14.11 12.34	15.46 12.47	13
14	16.03 13.55	15.59 12.28	15.04 11.37	NR NR	15.28 13.01	14.66 12.39	15.94 13.79	NR NR	14.91 12.33	14.59 12.49	15.48 12.19	15.55 12.57	14
15	16.20 13.28	15.29 12.22	15.27 11.46	NR NR	15.14 13.21	14.84 12.23	15.56 13.62	NR NR	15.23 12.38	15.52 12.73	15.51 12.07	15.64 12.87	15
16	16.09 13.80	14.82 12.08	14.77 11.72	14.41 11.89	15.15 12.84	15.09 12.59	15.53 13.93	NR NR	15.38 12.74	15.65 12.49	15.74 12.37	15.70 12.92	16
17	16.09 13.19	14.34 11.74	14.69 11.63	14.49 11.98	15.07 12.44	14.84 12.14	15.51 13.76	NR NR	15.69 13.06	15.77 12.36	15.97 12.51	15.47 12.94	17
18	15.88 12.91	14.01 11.62	14.79 11.75	14.64 12.14	15.11 12.18	14.39 11.76	15.40 13.43	NR NR	16.18 13.32	15.76 12.19	15.79 12.40	15.34 12.95	18
19	15.58 12.70	14.00 11.42	14.59 11.67	14.47 11.89	15.09 11.99	14.33 11.69	15.68 13.69	NR NR	16.34 13.17	15.88 12.32	15.59 12.27	15.11 12.87	19
20	14.89 12.30	14.12 11.40	14.59 11.64	14.68 11.83	15.41 12.10	14.42 11.69	15.64 13.69	NR NR	16.28 12.95	15.89 12.23	15.37 12.21	15.26 13.07	20
21	14.57 11.79	14.39 11.67	14.56 11.69	15.00 11.95	15.35 12.95	15.07 12.12	15.86 13.69	NR NR	16.48 12.88	15.76 12.23	15.09 12.16	15.27 13.07	21
22	14.57 11.66	14.67 11.99	14.77 12.06	15.12 12.69	15.24 11.94	15.35 12.43	15.71 13.68	NR NR	16.26 12.78	15.83 12.27	15.03 12.41	15.37 13.07	22
23	14.75 11.79	14.94 12.17	14.95 11.67	15.22 11.95	15.18 11.87	15.27 12.41	15.84 13.57	16.08 13.03	16.01 12.47	15.52 12.23	14.89 12.38	15.04 12.90	23
24	14.68 11.95	14.79 11.98	14.95 11.69	15.42 11.94	15.14 11.84	14.96 12.67	16.09 13.70	16.26 13.04	15.63 12.26	15.28 12.15	14.84 12.29	15.04 12.57	24
25	14.57 11.86	14.79 11.91	15.07 11.56	NR NR	14.97 11.84	14.89 12.52	16.35 13.64	16.21 12.98	15.31 12.06	14.71 11.83	14.84 12.32	15.06 12.49	25
26	15.09 11.96	15.12 12.47	15.18 11.41	NR NR	14.74 11.89	15.01 12.67	16.36 13.52	16.15 13.02	15.17 12.25	14.77 11.79	14.91 12.34	15.30 12.42	26
27	14.89 12.64	15.04 12.14	15.13 11.49	NR NR	14.57 11.81	15.24 12.77	16.04 13.03	15.78 12.61	15.00 12.28	15.35 12.50	15.15 12.26	14.67 12.57	27
28	14.88 12.84	15.20 11.91	15.02 11.39	NR NR	14.69 11.72	15.92 12.49	15.63 12.71	15.71 12.84	14.31 12.10	15.40 12.84	13.97 12.24	15.32 12.59	28
29	15.12 12.54	15.19 12.21	14.84 11.27	NR NR	NR NR	15.67 13.07	15.29 12.39	14.88 12.43	14.92 11.94	14.09 12.69	15.31 12.31	15.42 12.62	29
30	15.21 12.55	15.18 12.24	NR NR	NR NR	NR NR	15.76 13.24	14.96 12.31	15.09 12.58	14.83 12.47	15.32 12.47	15.56 12.38	15.41 12.67	30
31	15.19 12.47	NR NR	NR NR	NR NR	NR NR	15.51 12.88	NR NR	15.27 12.76	NR NR	15.48 12.46	15.54 12.29	NR NR	31
MAXIMUM	16.20	15.66	15.32	NR	NR	15.92	16.36	NR	16.48	15.89	15.97	15.70	MAXIMUM
MINIMUM	11.66	11.40	NR	NR	NR	11.14	11.44	NR	11.94	11.79	12.07	12.19	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to maximize process the data in this table, it was necessary to use a negative gage height.
Subtract 10.00 feet to obtain recorder gage heights.
G Gate operation: Oct. 12 - closed, Oct. 26 - opened, Dec. - closed, Jan. 7 - opened, Jan. 31 - closed.
Mar. 6 - opened, Mar. 28 - closed, June 6 - opened.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
28 14 48	121 30 25	NE35 5N 4E						SEP 52-DATE	1954	1957	-1.75 -1.54 -1.75	USCGS USCGS USCGS

Station located approx. 1,000 ft. below head, just below S. Pacific R.R. bridge.
Station affected by tidal action. Maximum gage ht. listed does not include maximum discharge.

*TABLE 241
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT WALNUT GROVE

in feet

STATION NO	WATER YEAR
891650	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.44 10.78	14.01 11.08	13.93 11.03	13.93 11.93	NR NR	14.63 12.51	17.22 16.04	16.31 14.85	15.27 13.18	13.86 11.11	14.29 11.01	14.37 10.99	1
2	13.89 10.90	13.88 11.05	13.80 10.88	14.02 11.82	NR NR	14.83 12.61	16.66 15.16	16.06 14.72	15.16 13.18	14.19 11.08	14.52 11.11	14.22 10.90	2
3	13.77 11.07	13.91 10.88	13.50 10.92	14.23 11.86	NR NR	14.52 12.17	16.01 14.43	15.10 14.51	15.05 12.82	14.31 11.11	14.52 10.89	14.15 10.91	3
4	13.79 10.96	13.71 11.01	14.37 11.75	14.39 11.87	NR NR	14.27 11.94	15.49 13.84	15.98 14.57	14.78 12.39	14.41 10.94	14.45 10.86	14.42 11.54	4
5	13.72 10.76	13.61 10.89	14.84 13.02	14.52 11.95	NR NR	14.20 11.84	15.26 13.92	15.96 14.41	14.93 12.21	14.45 10.98	14.51 10.96	14.43 11.30	5
6	13.71 10.66	13.36 10.63	15.08 13.27	14.70 11.92	NR NR	14.06 11.37	15.15 13.38	15.85 14.41	14.78 11.53	14.57 10.96	14.46 10.92	13.89 11.08	6
7	13.72 10.47	13.39 10.65	14.81 12.71	14.45 12.30	NR NR	14.15 11.34	17.20 13.75	15.96 14.47	14.91 11.65	14.57 11.03	14.32 10.99	14.30 11.48	7
8	12.89 10.46	13.74 10.81	14.80 12.35	14.63 11.36	NR NR	14.11 11.79	18.96 16.89	16.15 14.46	15.03 11.58	14.54 10.81	14.09 10.89	14.43 11.52	8
9	13.58 10.40	14.14 11.10	14.85 12.05	14.80 11.40	18.29 17.17	14.09 11.34	19.37 18.30	16.21 14.66	14.96 11.61	14.35 10.77	13.72 10.77	14.53 11.57	9
10	13.59 10.61	14.13 11.02	14.91 12.39	14.75 11.58	18.04 17.07	13.82 11.33	19.60 18.74	16.23 14.91	15.14 11.56	14.17 10.72	13.82 10.84	14.32 11.25	10
11	13.76 10.78	14.23 11.21	15.01 11.91	14.13 11.48	17.61 16.79	13.67 11.14	19.51 18.56	16.50 15.04	14.71 11.36	14.09 10.88	14.19 11.21	14.44 11.20	11
12	14.86 11.72	14.60 11.01	15.06 11.88	13.69 11.70	17.25 16.39	13.31 10.92	19.45 18.56	16.35 15.01	14.54 11.34	14.04 11.02	14.21 11.26	14.37 11.21	12
13	16.50 13.48	14.55 11.17	14.74 11.81	13.38 10.84	17.18 16.36	13.22 10.80	19.36 18.44	16.26 14.81	14.28 11.38	14.18 11.16	12.84 11.00	14.43 11.17	13
14	19.40 17.88	14.52 11.08	14.63 11.63	12.90 10.69	17.40 16.68	13.49 11.09	18.99 18.11	16.01 14.51	13.69 11.01	13.42 11.18	14.21 10.85	13.61 11.32	14
15	19.98 18.73	14.19 11.04	14.74 11.63	12.97 10.59	17.33 16.69	13.69 10.91	18.66 17.98	15.53 13.93	14.06 11.06	14.33 11.44	14.27 10.76	14.58 11.58	15
16	19.34 18.45	13.72 10.88	14.37 11.90	13.19 10.61	17.17 16.34	13.82 11.24	18.59 18.14	15.24 13.58	14.26 11.40	14.44 11.21	14.50 11.03	14.60 11.60	16
17	18.63 17.88	13.22 10.54	15.00 12.53	13.26 10.72	16.89 16.00	13.64 10.84	18.63 18.04	15.10 13.46	14.59 11.73	14.59 11.06	14.73 11.18	14.42 11.65	17
18	17.97 17.21	12.90 10.60	15.73 13.88	13.44 10.87	16.69 15.60	13.16 10.44	18.58 17.88	15.35 13.68	15.05 11.98	14.57 10.88	14.55 11.04	14.23 11.66	18
19	17.36 16.54	12.89 10.20	16.08 14.65	13.19 10.64	16.55 15.23	13.14 10.34	18.57 17.70	15.65 13.92	15.26 11.83	14.71 10.99	14.35 10.96	14.00 11.56	19
20	16.42 15.40	13.00 10.22	16.35 15.18	13.49 10.48	16.60 15.00	13.22 10.34	18.62 17.98	16.04 14.05	15.18 11.51	14.69 10.89	14.12 10.86	14.15 11.77	20
21	15.48 14.23	13.28 10.44	16.44 15.29	13.83 10.69	16.40 15.13	13.56 10.74	18.80 17.81	16.45 14.43	15.36 11.46	14.57 10.93	13.87 10.84	14.17 11.70	21
22	15.13 13.31	13.55 10.82	16.39 14.88	13.95 10.69	16.00 14.53	14.19 11.09	18.82 17.56	16.46 14.44	15.14 11.43	14.63 10.94	13.82 11.09	14.24 11.80	22
23	14.81 12.93	13.79 10.98	16.20 14.38	14.04 11.42	15.69 14.05	14.13 11.06	18.55 17.35	16.65 14.43	14.86 11.14	14.29 10.92	13.68 11.08	13.90 11.62	23
24	14.66 12.76	13.68 10.80	15.83 13.90	14.25 10.69	15.38 13.60	13.82 11.17	18.48 17.30	16.70 14.30	14.48 10.93	14.04 10.82	13.59 10.96	13.88 11.28	24
25	14.41 12.45	13.74 11.08	15.65 14.13	14.19 10.84	15.19 13.31	13.75 11.44	18.43 17.05	16.50 14.06	14.14 10.73	13.52 10.47	13.62 11.01	13.84 11.21	25
26	14.05 11.71	14.06 10.74	15.45 13.36	14.18 10.79	14.93 13.21	13.89 11.33	18.25 16.84	16.26 13.87	13.94 10.91	13.55 10.52	13.69 10.99	14.12 11.15	26
27	13.79 11.67	13.96 10.96	15.27 13.03	13.95 10.80	14.85 13.01	14.17 11.48	17.85 16.47	15.81 13.58	13.81 10.94	14.11 11.19	13.90 10.91	14.18 11.31	27
28	13.76 11.34	14.16 10.76	15.02 12.72	NR NR	14.78 12.79	15.01 12.22	17.37 16.12	15.74 13.53	13.74 10.78	14.15 11.51	12.70 10.91	14.30 11.33	28
29	14.01 11.26	14.13 11.06	14.69 12.39	NR NR	NR NR	16.86 14.37	16.90 15.60	15.26 13.12	12.28 10.64	12.86 11.38	14.10 10.99	13.70 11.32	29
30	14.08 11.20	14.11 11.08	14.54 12.17	NR NR	NR NR	17.60 16.38	16.53 15.20	15.13 13.32	13.67 11.01	14.00 11.14	14.34 11.07	14.29 11.38	30
31	14.06 11.21	NR	14.22 12.09	NR NR	NR NR	17.52 16.40	NR	15.33 13.29	NR	14.22 11.18	14.34 10.99	NR	31
MAXIMUM	19.98 17.40	14.60 10.20	16.44 10.88	NR 10.58	NR 12.79	17.60 10.34	19.60 13.38	16.70 13.12	15.36 10.64	14.71 10.47	14.73 10.76	14.60 10.90	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights.
Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R M D 88 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
38 14 22	121 30 57	SW35 5N 4E		12.4	2/8/42		FEB 29-DATE	1929	1931	0.00	USED	
				12.4	12/24/55				1931	1940	0.33	USED
				12.4	12/25/55				1940		0.00	USCGS
									1940		2.84	USED

Station located at head of Georgiana Slough, immediately SW of Walnut Grove. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge.

TABLE 242
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
891600	1963

SACRAMENTO RIVER AT ISLETON

n feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	16.17 12.68	16.75 12.45	16.38 12.23	16.15 12.56	NR NR	16.62 12.86	17.26 14.25	16.49 13.97	17.11 13.79	16.50 12.89	16.94 12.74	17.07 12.64	
2	16.58 12.83	16.49 12.46	16.22 12.13	16.29 12.51	NR NR	16.92 13.16	16.68 13.76	16.87 14.02	17.12 13.79	16.81 12.81	17.17 12.82	16.91 12.52	2
3	16.46 12.91	16.50 12.40	15.74 12.29	16.60 12.71	NR NR	16.66 12.63	16.43 13.33	16.96 13.99	17.04 13.37	16.99 12.79	17.16 12.55	16.84 12.52	3
4	16.52 12.86	16.23 12.54	16.04 12.36	16.78 12.83	NR NR	16.36 12.41	16.41 13.38	17.07 14.09	16.94 13.09	17.04 12.51	17.13 12.46	17.16 13.29	4
5	16.41 12.66	15.97 12.41	16.27 12.81	16.95 12.79	19.48 16.85	16.38 12.36	16.68 13.36	17.15 13.99	17.26 13.14	17.07 12.53	17.16 12.55	17.08 12.96	
6	16.34 12.57	15.91 12.15	16.49 13.10	17.16 12.73	19.09 16.03	16.59 12.40	16.73 13.51	17.01 13.93	17.22 12.77	17.17 12.49	17.18 12.57	16.55 12.78	6
7	16.42 12.34	15.99 12.16	16.74 13.06	17.08 12.51	18.67 15.67	16.67 12.48	17.45 14.51	17.16 13.97	17.43 12.94	17.18 12.51	17.05 12.64	16.97 13.34	7
8	16.29 12.23	16.35 12.39	16.95 12.88	17.17 12.57	18.58 16.32	16.68 12.56	17.73 15.31	17.36 13.91	17.57 12.89	17.17 12.27	16.76 12.57	17.09 13.32	8
9	16.37 12.37	16.78 12.72	17.19 12.72	17.38 12.79	18.46 15.41	16.66 12.71	18.08E 15.65	17.28 13.78	17.51 12.97	16.96 12.24	16.37 12.46	17.11 13.29	9
10	16.29 12.40	16.80 12.56	17.25 12.65	17.32 14.05	18.37 15.49	16.38 12.56	18.43E 16.12	17.18 13.79	17.69 12.96	16.76 12.24	16.56 12.59	16.99 12.91	10
11	16.52 12.54	16.91 12.44	17.39 13.73	16.72 12.74	17.76 15.32	16.23 12.71	18.32E 15.88	17.32 13.92	17.24 12.82	16.66 12.49	16.82 13.12	17.06 12.84	11
12	17.62 13.56	17.21 12.61	17.50 12.73	16.22 12.17	17.39 14.92	15.86 12.39	18.23 15.93	17.11 13.81	17.03 12.83	16.66 12.69	16.87 13.09	15.91 12.75	12
13	18.12 14.08	17.16 13.50	17.39 12.68	15.93 12.07	17.24 14.93	15.77 12.46	18.18 15.86	16.98 13.79	16.76 12.92	16.84 12.96	16.92 12.74	16.91 12.71	13
14	18.88 15.84	17.12 12.51	16.95E 12.50	15.55 12.10	17.26 15.14	16.06 12.77	18.18 16.03	16.87 13.72	16.58 12.63	17.01 13.06	15.38 12.54	17.02 12.76	14
15	19.29 16.09	16.73 12.48	16.75E 12.66	15.54 12.12	17.08 15.19	16.25 12.56	17.71 15.66	16.49 13.37	16.86 12.72	17.15 13.22	16.99 12.35	17.12 13.09	15
16	18.91 16.41	16.24 12.41	16.71 12.94	15.80 12.25	17.11 14.99	16.25 12.93	17.56 15.83	16.44 13.24	15.84 13.04	15.58 12.90	17.24 12.69	17.17 13.09	16
17	18.77 15.84	15.74 12.06	16.59E 13.09	15.87 12.50	17.00 14.69	16.18 12.45	17.78 16.06	16.87 13.29	17.15 13.22	17.29 12.75	17.51 12.77	16.96 13.14	17
18	18.33 15.66	15.53 11.97	16.65E 13.61	16.04 12.81	17.04 14.34	15.66 11.96	17.53 15.83	17.29 13.62	17.65 13.51	17.27 12.47	17.26 12.63	16.79 13.19	18
19	17.74 15.19	15.42 11.81	16.93E 13.85	15.85 12.31	17.04 14.07	15.65 11.87	18.06 15.88	16.77 13.97	17.84 13.20	17.43 12.54	17.09 12.54	16.57 13.19	19
20	17.11 14.58	15.63 11.84	16.90 14.11	16.08 12.18	17.34 14.02	15.72 11.81	18.11 15.88	17.76 14.14	17.80 12.97	17.42 12.49	16.84 12.48	16.69 13.46	20
21	16.67 13.83	15.86 12.21	16.92 14.17	16.44 12.28	17.37 13.71	16.46 12.22	18.42 15.78	17.95 14.07	18.02 12.82	17.29 12.47	16.55 12.52	16.72 13.45	21
22	16.52 13.42	16.16 12.54	17.11 13.98	16.56 12.18	17.27 13.50	16.71 12.48	18.26 15.56	17.92 13.79	17.76 12.72	17.31 12.49	16.52 12.87	16.78 13.45	22
23	16.77 13.41	16.41 12.79	17.23 13.79	16.66 12.17	17.23 13.30	16.71 12.41	18.36 15.52	18.15 13.87	17.46 12.53	16.89 12.49	16.32 12.89	16.40 13.27	23
24	16.71 13.41	16.25 12.37	17.09 13.47	16.89 12.27	17.13 13.21	16.33 12.26	18.61 15.41	18.23 13.79	17.98 12.33	16.64 12.41	16.27 12.84	16.40 12.97	24
25	16.61 13.26	16.28 12.28	17.24 13.19	16.82 13.47	16.97 13.68	16.28 12.46	18.72 15.26	18.15 13.69	16.72 12.23	16.05 12.17	16.26 13.04	16.40 12.90	25
26	16.43 12.97	16.61 12.54	17.29 13.04	16.73 12.22	16.68 13.23	16.41 12.66	18.66 15.13	17.92 13.63	16.56 12.61	16.18 12.29	16.29 12.95	16.70 12.81	26
27	16.26 12.64	16.48 12.18	17.26 14.34	16.55 12.20	16.70 13.15	16.72 12.81	18.22 14.68	17.49 13.47	16.46 12.67	16.74 13.16	16.52 12.84	16.73 12.97	27
28	16.26 12.56	16.54 13.58	17.09 12.91	16.32 12.23	16.71 13.09	17.43 13.30	17.71 14.43	17.39 13.58	16.38 12.58	16.74 13.55	16.71 12.84	16.27 12.95	28
29	16.41 12.54	16.41 12.28	16.82 12.74	16.06 12.24	16.06 12.24	17.71 14.13	17.31 14.23	16.79 13.19	16.33 12.58	16.67 13.28	15.73 12.80	16.88 12.97	29
30	16.58 13.51	16.34 12.21	16.74 12.64	NR NR	NR NR	17.82 14.51	16.93 14.11	17.06 13.44	14.94 13.04	15.26 12.99	16.97 12.87	16.88 12.95	30
31	16.61 12.54		16.34 12.63	NR NR	NR NR	17.65 14.62		16.05 13.74		16.84 12.99	16.99 12.66		31
MAXIMUM	19.29	17.21	17.50	NR	NR	17.82	18.72	18.23	18.02	17.43	17.51	17.17	MAXIMUM
MINIMUM	12.17	11.81	12.13	NR	NR	11.81	13.33	13.19	12.23	12.17	12.35	12.52	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 09 46	121 36 42	SW26 4N 7E					APR 49-DATE	1949	1956	-4.41	USCGS USCGS
								1958	1953	-4.47	

Station located at Associated Oil Company docks near junction of State Highways 12 and 24, immediately NW of Isleton. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 245
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
891560	1963

YOLO BYPASS NEAR LISBON in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.35 12.56	16.70 12.97	16.34 11.96	16.38 13.21	26.71 A 21.06 A	17.09 14.68	21.78 21.45 A	21.59 A 20.97 A	17.49 14.13	16.72 12.88	17.08 12.45	17.31 12.32	1
2	16.85 12.81	16.55 12.85	16.31 11.64	16.36 12.94	32.64 A 26.71 A	17.29 14.54	21.91 A 21.78 A	20.97 A 20.34 A	17.45 14.10	17.02 12.59	17.35 12.76	17.21 12.23	2
3	16.66 13.01	16.63 12.65	15.89 11.84	16.61 12.99	32.45 A 30.83 A	16.61 13.78	21.94 A 21.91 A	20.34 A 19.54 A	17.23 13.47	17.14 12.59	17.40 12.25	17.16 12.24	3
4	16.56 12.81	16.42 12.47	15.99 11.58	16.76 13.11	30.83 A 29.56 A	16.61 13.42	21.93 A 21.85 A	19.51 19.26	17.16 13.36	17.19 12.31	17.25 12.12	17.43 13.19	4
5	16.59 12.38	16.02 12.33	16.06 11.68	16.90 13.29	29.58 A 28.38 A	16.73 13.32	21.86 A 21.78 A	19.06 18.56	17.45 13.52	17.25 12.34	17.26 12.27	17.38 12.67	5
6	16.49 12.46	15.96 11.98	16.40 11.97	17.04 13.24	28.38 A 26.78 A	16.91 14.17	21.78 A 21.68 A	18.55 17.95	17.35 13.05	17.39 12.37	17.28 12.24	16.78 12.38	6
7	16.54 12.04	16.08 12.02	16.48 12.23	16.99 13.81	26.78 A 25.33 A	17.02 13.42	21.87 A 21.73 A	18.05 17.31	17.73 13.42	17.33 12.44	17.13 12.40	17.28 13.07	7
8	15.80 12.01	16.33 12.22	16.74 12.38	17.16 13.18	25.33 A 24.21 A	17.00 13.48	22.93 A 21.80 A	17.84 16.76	17.88 13.40	17.28 11.89	16.88 12.47	17.36 13.06	8
9	16.40 11.91	16.82 12.38	16.91 13.16	17.43 13.28	24.21 A 23.54 A	16.90 13.41	25.99 A 22.90 A	17.59 16.09	17.81 13.56	17.13 11.90	16.59 12.14	17.35 13.17	9
10	16.51 12.28	16.81 12.76	16.90 12.85	17.37 13.68	23.54 A 22.97 A	16.62 13.46	26.19 A 25.99 A	17.41 15.82	17.91 13.33	16.94 11.88	16.69 12.25	17.24 12.71	10
11	16.92 12.43	16.90 12.77	17.05 12.78	16.47 13.43	22.97 A 22.56 A	16.59 13.13	26.13 A 25.79 A	17.69 16.08	17.56 13.25	16.79 12.10	17.01 12.86	16.25 12.54	11
12	17.86 13.91	17.18 12.62	17.20 12.91	16.23 12.53	22.56 A 22.22 A	16.19 12.76	25.79 A 25.44 A	17.57 16.14	17.32 13.10	16.88 12.42	16.00 12.87	17.29 12.61	12
13	19.14 14.58	17.09 13.03	16.91 12.84	16.17 12.08	22.25 A 22.17 A	16.00 12.73	25.44 A 25.22 A	17.59 16.22	16.98 13.30	16.44 12.74	17.04 12.62	17.23 12.55	13
14	26.23 A 17.68 A	17.06 12.89	16.81 12.69	15.82 12.10	22.35 A 22.17 A	16.37 13.23	25.54 A 25.22 A	17.42 15.67	16.85 12.40	17.07 12.78	17.09 12.28	17.28 12.58	14
15	30.49 A 26.23 A	16.84 12.83	17.09 12.83	15.75 12.05	22.87 A 22.35 A	16.46 12.98	26.56 A 25.54 A	17.00 15.63	16.73 12.68	17.14 13.05	17.14 12.09	17.38 12.93	15
16	30.49 A 29.06 A	16.24 12.70	16.61 13.17	15.91 12.12	23.08 A 22.87 A	17.08 13.62	27.68 A 26.66 A	17.08 15.56	16.80 12.98	17.35 12.83	17.44 12.39	17.42 13.22	16
17	29.06 A 27.10 A	15.86 12.10	16.58 13.11	16.04 12.18	23.08 A 22.87 A	16.43 12.81	27.98 A 27.68 A	16.99 14.98	17.03 13.25	17.46 12.49	17.81 12.42	17.26 13.33	17
18	27.10 A 25.39 A	15.32 11.96	17.21 13.49	16.16 12.50	22.87 A 22.56 A	15.98 12.31	27.98 A 27.70 A	17.25 14.92	17.58 13.80	17.37 12.02	17.62 12.14	17.10 13.46	18
19	25.39 A 24.08 A	15.49 11.73	17.33 15.67	15.63 11.94	22.56 A 22.20 A	15.93 12.20	27.70 A 27.33 A	17.60 15.17	17.93 13.64	17.47 12.27	17.35 12.02	16.83 13.34	19
20	24.08 A 23.21 A	15.59 11.77	17.63 16.21	16.19 11.84	22.19 A 21.81 A	16.01 12.17	27.33 A 26.73 A	18.13 15.58	18.00 13.56	17.44 12.04	17.15 11.94	17.01 13.68	20
21	23.21 A 22.76 A	15.80 12.13	17.67 16.26	16.50 12.22	21.81 A 21.41 A	16.70 12.78	26.73 A 26.12 A	18.29 15.12	18.09 13.02	17.32 12.10	16.93 11.93	17.01 13.71	21
22	22.76 A 22.26 A	16.08 12.56	17.57 16.11	16.60 13.36	21.41 A 20.90 A	16.97 13.26	26.12 A 25.55 A	18.30 14.89	17.87 12.82	17.33 12.08	16.97 12.43	17.09 13.76	22
23	22.26 A 21.66 A	16.33 12.43	17.56 15.69	16.65 12.21	20.90 A 19.58 A	17.03 14.08	25.58 A 24.95 A	18.52 15.22	17.59 12.41	17.05 12.26	16.78 12.42	16.68 13.48	23
24	21.66 A 20.39 A	16.36 12.51	17.01 15.06	16.85 12.18	19.57 A 17.90 A	16.88 13.18	24.95 A 24.46 A	18.65 15.55	17.30 12.19	16.84 12.06	16.61 12.32	16.63 13.20	24
25	20.39 A 17.49 A	16.44 12.01	17.51 14.64	16.75 12.61	17.74 17.04	17.14 14.18	24.46 A 23.88 A	18.65 15.85	17.01 12.07	16.23 11.74	16.53 12.47	16.55 13.15	25
26	17.49 A 16.67	16.67 11.94	17.61 14.21	16.67 12.53	17.44 16.20	17.32 15.21	23.88 A 23.48 A	18.55 16.00	17.06 12.68	16.30 11.89	16.56 12.50	15.74 13.01	26
27	16.67 16.90	16.43 12.66	17.54 14.06	16.52 12.33	16.98 15.46	17.38 15.36	23.49 A 23.04 A	18.14 15.25	16.78 12.88	16.85 13.04	16.77 12.52	16.83 13.30	27
28	16.76 14.09	16.52 12.05	17.37 13.85	16.42 12.11	17.21 15.00	18.76 A 16.22	23.04 A 22.61 A	18.08 14.85	16.79 12.59	16.06 13.48	15.59 12.47	16.86 13.24	28
29	16.88 13.62	16.43 11.95	17.16 13.56	16.30 12.12	20.40 18.76	18.62 16.22	22.61 A 22.09 A	16.96 13.84	16.57 12.37	16.96 13.04	16.87 12.42	16.98 13.26	29
30	16.87 13.40	16.52 11.73	17.04 13.59	17.79 13.14	20.86 20.40	18.62 16.22	22.09 A 21.59 A	17.29 13.92	16.50 12.77	16.82 12.73	17.24 12.77	16.98 13.35	30
31	16.77 13.22	16.69 13.46	17.06 13.46	21.06 A 16.29 A	21.45 A 20.86 A	17.47 14.30				17.00 12.76	17.30 12.38		31
MAXIMUM	30.49	17.18	17.67	21.06	32.64	21.45	27.98	21.59	18.09	17.47	17.81	17.43	MAXIMUM
MINIMUM	11.91	11.73	11.58	11.84	15.00	12.17	21.45	13.84	12.07	11.74	11.93	12.23	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-11-63	2235	30.49	2-16-63	2400	23.08	4-10-63	1900	26.19			
10-2-63	1940	32.64	4-3-63	1830	21.94	4-17-63	2400	27.98			

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & B R M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
39° 05' N	121° 04' W	SE 1/4 7N 3E						FEB 9-DATE	1961	1962	0.43 0.00	USCGS USCGS

Station located 0.1 mi. N of west end of Sacramento Northern Railway trestle, 6.2 mi. NW of Clarksburg.
Station first established by tidal action. Maximum gage height listed do not necessarily indicate maximum discharge.

* TABLE 244
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
891500	1963

YOLO BYPASS AT LIBERTY ISLAND in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.44 12.28	16.73 11.87	16.61 11.56	16.30 11.75	16.33 14.49	16.79 12.01	17.00 12.46	16.36 12.77	17.26 13.14	NR NR	17.35 12.34	17.38 12.09	1
2	16.89 12.46	16.59 11.89	16.51 11.50	16.44 11.76	27.10 A 15.26 A	17.04 12.37	16.49 12.22	16.73 12.96	17.44 13.02	NR NR	17.64 12.47	17.29 11.91	2
3	16.71 12.58	16.64 11.84	16.02 11.71	16.74 11.99	26.45 A 24.79 A	16.49 11.64	16.22 11.84	16.96 12.86	17.22 12.37	NR NR	17.59 12.09	17.24 11.91	3
4	16.72 12.47	16.41 12.07	16.18 11.51	16.91 12.23	24.79 A 23.55 A	16.39 11.50	16.35 12.27	17.06 12.96	17.13 12.28	NR NR	17.59 11.99	17.54 12.72	4
5	16.67 12.23	16.16 11.89	16.32 11.68	17.09 12.16	23.55 A 22.32 A	16.49 11.38	16.79 12.45	17.16 12.95	17.47 12.42	NR NR	17.63 12.09	17.38 12.39	5
6	16.62 12.23	16.17 11.59	16.74 12.00	17.24 12.06	22.32 A 20.40 A	16.77 11.66	16.97 12.68	17.05 12.78	17.47 12.02	NR NR	17.61 12.07	16.93 12.19	6
7	16.62 11.90	16.27 11.62	16.90 12.24	17.22 11.83	20.38 19.59	16.86 11.83	17.22 13.29	17.20 12.79	17.74 12.34	NR NR	17.43 12.12	17.29 12.84	7
8	16.56 11.77	16.67 11.85	17.17 12.18	17.33 11.89	18.91 17.96	16.93 11.93	17.25 13.39	17.42 12.64	17.87 12.27	NR NR	17.15 12.11	17.39 12.82	8
9	15.98 11.70	17.02 12.21	17.36 12.00	17.55 13.51	18.41 16.80	16.90 12.18	17.77 13.94	17.29 12.35	17.83 12.25	NR NR	16.73 11.96	17.46 12.82	9
10	16.68 12.01	17.12 11.99	17.43 11.92	17.49 12.17	18.14 15.81	16.65 11.99	20.24 19.17	17.15 12.26	17.93 12.30	NR NR	16.97 12.17	17.32 12.34	10
11	17.10 12.12	17.21 11.87	17.55 13.25	16.79 11.92	17.51 14.94	16.50 12.24	20.35 19.16	17.28 12.28	17.54 12.25	NR NR	17.19 12.79	17.34 12.35	11
12	17.91 13.30	17.50 12.87	17.60 12.01	16.43 11.22	17.12 14.09	16.16 11.89	19.92 18.59	16.98 12.11	17.29 12.28	17.04 12.21	17.24 12.67	16.26 12.19	12
13	16.30 13.50	17.43 12.03	17.30 11.91	16.17 11.38	16.92 13.94	16.02 11.90	19.54 18.04	16.85 12.23	17.02 12.45	17.22 12.56	17.31 12.31	17.24 12.13	13
14	16.37 11.09	17.38 11.91	17.18 11.78	15.76 11.49	16.79 14.25	16.34 12.38	19.45 18.05	16.73 12.78	16.92 12.14	17.40 12.64	15.73 12.05	17.35 12.12	14
15	25.78 A 13.60 A	17.04 11.96	17.30 11.98	15.74 11.56	16.63 14.12	16.49 12.12	19.55 18.85	16.38 12.03	17.22 12.27	17.57 12.84	17.37 11.79	17.46 12.53	15
16	26.00 A 23.73 A	16.49 11.86	16.71 12.33	15.99 11.74	16.74 14.13	17.72 12.45	22.71 A 19.06	16.50 12.00	17.47 12.57	15.89 12.49	17.67 12.23	17.44 12.43	16
17	23.73 A 21.28 A	16.02 11.50	16.70 12.30	16.02 12.07	16.79 13.88	16.35 12.03	23.19 A 22.71	16.07 12.14	18.04 12.72	17.66 12.22	17.82 12.29	17.29 12.53	17
18	20.52 19.20	15.70 11.45	16.83 12.55	16.21 12.45	16.80 13.39	15.86 11.48	23.30 A 22.83 A	16.97 12.54	18.24 12.99	17.69 11.86	17.62 12.09	17.11 12.64	18
19	18.65 17.03	15.72 11.30	16.67 12.65	15.92 11.66	16.80 13.00	15.83 11.36	22.99 22.22	17.42 12.96	18.23 12.62	17.85 11.99	17.38 11.89	16.87 12.60	19
20	17.41 14.79	15.91 11.42	16.68 12.77	16.27 11.65	17.08 13.02	15.97 11.26	22.47 21.32	17.94 13.27	16.87 12.47	17.84 11.89	17.19 11.89	16.99 12.89	20
21	16.85 13.45	16.22 11.76	16.68 12.64	16.65 11.72	17.24 12.61	16.73 11.68	21.77 20.28	18.17 12.87	18.41 12.19	17.72 11.88	16.87 11.97	17.01 12.93	21
22	16.74 12.96	16.43 12.18	16.92 12.50	16.79 11.66	17.15 12.41	17.08 12.03	20.81 19.08	18.08 12.42	18.24 12.14	17.69 11.89	16.87 12.39	17.05 12.92	22
23	17.01 12.96	16.70 12.33	17.12 12.43	16.89 11.61	17.28 12.37	17.08 11.82	20.02 18.07	18.32 12.49	17.88 11.92	17.39 12.01	16.70 12.47	16.63 12.75	23
24	16.96 12.94	16.59 11.87	16.83 12.23	17.13 11.74	17.23 13.23	16.70 11.59	19.50 16.96	18.37 12.47	17.48 11.72	17.04 11.93	16.64 12.44	16.62 12.51	24
25	16.89 12.79	16.63 11.75	17.22 11.95	17.09 11.62	17.09 12.26	16.68 11.78	19.11 16.16	18.32 12.39	17.06 11.65	16.39 11.69	16.59 12.67	16.59 12.44	25
26	16.79 12.49	16.93 12.02	17.36 13.69	17.01 12.92	16.90 12.27	16.83 12.05	18.83 15.26	18.14 12.52	16.94 12.12	16.59 11.87	16.64 12.54	16.95 12.32	26
27	16.59 12.10	16.76 13.12	17.33 11.99	16.85 11.64	16.59 12.17	17.13 12.21	18.15 14.05	17.64 12.34	16.89 12.23	17.12 12.89	16.81 12.44	17.01 12.47	27
28	16.55 12.02	16.86 11.64	17.21 11.90	16.64 11.72	16.84 12.27	17.83 12.65	17.60 13.47	17.57 12.62	16.77 12.21	17.19 13.33	16.97 12.41	17.19 12.40	28
29	16.79 12.91	16.79 11.52	16.94 11.76	16.41 11.72	17.78 12.74	17.15 13.07	17.15 13.07	16.95 12.25	16.68 12.64	17.09 12.99	17.29 12.36	16.53 12.42	29
30	16.84 12.01	16.79 11.54	16.86 11.73	17.34 12.44	17.68 12.66	16.76 12.96	17.17 12.58	16.85E 12.64	15.61 12.71	16.26 12.49	17.19 12.44	17.19 12.44	30
31	16.77 11.95		16.53 11.78	17.99 13.61		17.34 12.96		16.07 13.04		17.24 12.67	17.32 12.14		31
MAXIMUM	26.00	17.50	17.60	17.99	27.10	17.83	23.30	18.37	18.41	17.75	17.82	17.54	MAXIMUM
MINIMUM	11.70	11.30	11.50	11.22	12.17	11.26	11.84	12.00	11.65	11.79	11.91	11.91	MINIMUM

E - Estimated
NR - No Record

CREST STAGES														
DATE			TIME	STAGE	DATE			TIME	STAGE	DATE			TIME	STAGE
13-11-62			5	27.0	4-18-63			1130	23.30					
2-11-63			1523	27.10										

* In order to machine process the data in this table, it was necessary to add negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. 88 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 19 15	121 40 00	SW 2 6N 4E		18.4	3,842		18-DATE	191	191	10.00	USCGS

Station located on east levee of Liberty Island, approx. 3 mi. N of Prospect Slough, 5.3 mi. W of Cortland.
Station affected by tidal action. Maximum gage ht. listed does not necessarily indicate maximum discharge.

*TABLE 4
DAILY MAXIMUM AND MINIMUM TIDES

MINER SLOUGH AT FIVE POINTS

in feet

STATION NO	WATER YEAR
B91475	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.92 13.89	17.50 14.11	17.32 13.94	17.14 14.44	20.59 18.14	17.83 15.05	19.73 18.10	18.99 17.10	18.31 15.70	17.35 14.12	17.76 13.99	17.89 13.99	1
2	17.33 14.03	17.34 14.09	17.21 13.84	17.24 14.29	23.43 21.94	18.05 15.19	19.15 17.25	18.81 16.97	18.25 15.70	17.69 14.13	18.02 14.10	17.74 13.87	2
3	17.27 14.16	17.35 13.97	16.76 13.89	17.54 14.41	23.54 22.36	17.61 14.69	18.56 16.54	18.86 16.78	18.17 15.21	17.82 14.11	18.01 13.85	17.60 13.86	3
4	17.27 14.09	17.13 14.07	17.23 14.24	17.69 14.55	23.01 21.78	17.45 14.52	18.17 16.09	18.81 16.81	18.00 14.94	17.91 13.92	17.94 13.80	17.96 14.52	4
5	17.19 13.89	16.86 13.85	17.73 15.32	17.84 14.56	22.60 21.20	17.45 14.42	18.19 15.72	18.83 16.70	18.24 14.79	17.99 13.93	18.01 13.90	17.91 14.27	5
6	17.14 13.82	16.81 13.67	18.00 15.56	18.02 14.53	21.76 21.00	17.58 14.33	18.20 15.98	18.71 16.62	18.16 14.34	18.09 13.92	18.00 13.90	17.36 14.05	6
7	17.15 13.59	16.86 13.69	17.94 15.17	18.01 14.31	21.28 20.05	17.66 14.34	19.78 17.63	18.76 16.67	18.36 14.51	18.08 13.95	17.85 13.95	17.77 14.50	7
8	17.08 13.55	17.24 13.82	18.04 14.88	18.16 15.06	21.04 19.73	17.62 14.30	20.91 19.72	18.92 16.62	18.49 14.41	18.04 13.72	17.59 13.86	17.88 14.54	8
9	16.46 13.49	17.58 14.09	18.16 14.62	18.41 14.41	20.87 19.30	17.63 14.72	21.39 20.50	18.94 16.72	18.42 14.45	17.83 13.70	17.22 13.78	17.93 14.58	9
10	17.16 13.74	17.61 14.01	18.22 15.08	18.32 14.59	20.67 19.20	17.32 14.33	21.67 20.71	18.95 16.99	18.58 14.53	17.68 13.68	17.36 13.84	17.83 14.22	10
11	17.39 13.84	17.72 13.94	18.31 14.49	17.62 14.39	20.18 18.92	17.16 14.12	21.56 20.56	19.17 17.09	18.15 14.28	17.58 13.83	17.65 14.29	17.90 14.19	11
12	18.39 14.87	18.04 14.54	18.39 14.49	17.25 13.93	19.76 18.51	16.81 13.89	21.50 20.48	19.00 17.07	17.98 14.28	17.49 13.97	17.68 14.32	16.85 14.17	12
13	19.51 16.02	17.99 14.11	18.09 14.44	16.95 13.85	19.70 18.48	16.69 13.88	21.42 20.35	18.91 16.90	17.72 14.30	17.68 14.17	16.28 14.06	17.81 14.13	13
14	21.75 19.77	17.94 13.99	17.91 14.22	16.52 13.77	18.97 18.79	17.01 14.16	21.19 20.13	18.68 16.64	17.52 13.97	17.83 14.25	17.74 13.84	17.92 14.22	14
15	22.33 20.66	17.62 13.99	18.07 14.27	16.50 13.70	19.80 18.81	17.16 13.99	20.86 19.97	18.23 16.13	17.78 14.05	16.56 14.45	17.77 13.73	18.08 14.53	15
16	21.83 20.81	17.09 13.84	17.59 14.59	16.72 13.75	19.66 18.47	17.42 14.41	20.77 20.08	17.83 15.79	16.80 14.41	17.96 14.19	18.07 14.01	18.10 14.51	16
17	21.39 20.17	16.64 13.51	17.84 15.02	16.78 13.91	19.46 18.14	17.10 13.91	20.88 20.13	17.96 15.74	18.10 14.69	18.09 14.03	18.30 14.13	17.91 14.57	17
18	20.71 19.55	16.29 13.59	18.47 16.15	16.92 14.10	19.34 17.76	16.57 13.53	20.86 19.97	18.30 15.98	18.57 14.92	18.04 13.81	18.08 13.99	17.73 14.62	18
19	20.01 18.78	16.31 13.21	18.70 16.77	16.67 13.77	19.21 17.44	16.51 13.43	20.95 19.93	18.67 16.24	18.80 14.71	18.21 13.91	17.88 13.85	17.49 14.53	19
20	19.17 17.81	16.43 13.22	19.01 17.25	16.95 13.66	19.26 17.14	16.67 13.40	20.95 20.00	19.08 16.46	18.72 14.50	18.21 13.81	17.65 13.81	17.66 14.76	20
21	18.34 16.59	16.74 13.51	19.02 17.36	17.30 13.76	19.14 16.71	17.35 13.80	21.15 19.95	19.40 16.63	18.89 14.36	18.10 13.81	17.36 13.82	17.66 14.76	21
22	17.89 15.74	16.99 13.82	18.99 16.96	17.49 13.71	18.84 16.25	17.65 14.17	20.99 19.69	19.40 16.51	18.68 14.24	18.13 13.87	17.31 14.10	17.71 14.73	22
23	17.99 15.45	17.27 14.06	18.93 16.51	17.54 13.74	18.70 16.48	17.68 14.05	20.97 19.57	19.97 16.55	18.34 13.98	17.80 13.83	17.17 14.14	17.33 14.61	23
24	17.86 15.35	17.15 13.77	18.55 16.01	17.77 14.70	18.47 15.80	17.38 14.11	21.02 19.39	19.61 16.45	17.97 13.76	17.53 13.76	17.10 14.03	17.29 14.33	24
25	17.67 15.11	17.17 13.73	18.59 16.50	17.69 13.85	18.30 15.58	17.32 14.40	20.98 19.15	19.48 16.23	17.61 13.64	16.93 13.50	17.09 14.11	17.28 14.23	25
26	17.47 14.71	17.49 13.94	18.52 15.57	17.64 13.77	18.03 15.53	17.47 14.30	20.82 18.89	19.26 16.08	17.43 13.85	17.01 13.55	17.13 14.11	17.61 14.14	26
27	17.27 14.32	17.37 14.61	18.38 15.29	17.46 13.76	17.82 15.36	17.77 14.41	20.44 18.54	18.80 15.80	17.34 13.92	17.57 14.26	17.33 14.06	17.62 14.31	27
28	17.21 14.61	17.57 13.69	18.17 15.04	17.29 13.79	17.93 15.23	18.50 15.20	19.95 18.17	18.70 15.78	17.23 13.79	17.63 14.63	17.53 14.07	17.16 14.28	28
29	17.52 14.24	17.52 13.93	17.87 14.78	17.09 13.76		19.48 16.67	19.57 17.75	18.10 15.40	17.14 13.71	17.53 14.48	16.55 14.06	17.78 14.30	29
30	17.59 14.23	17.52 13.99	17.73 14.65	18.15 14.31		20.15 18.41	19.07 17.42	17.50 15.63	15.84 14.13	16.18 14.21	17.82 14.15	17.78 14.30	30
31	17.54 14.19		17.37 14.55	19.41 15.46		19.98 18.42		18.31 15.77		17.68 14.22	17.84 13.99		31
MAXIMUM	22.33	18.04	19.02	19.41	23.54	20.15	21.67	19.61	18.89	18.21	18.30	18.10	MAXIMUM
MINIMUM	13.49	13.21	13.84	13.66	15.23	13.40	15.72	15.40	13.64	13.50	13.73	13.86	MINIMUM

E - Estimated
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 17 30	121 38 40	SE 3 5N 3E		15.8	7.27 58			NOV 57-DATE	1957 1957	0.00 -3.45	USED USCGS

Station located on West Cut above Junction with Miner Slough, approx. 750 ft. N. of Five Points Resort. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

*TABLE 246
DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS AT LINDSEY SLOUGH

in feet

STATION NO	WATER YEAR
891260	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.66 12.54	16.98 12.78	17.93 11.73	17.98 11.95	18.52 14.61	17.90 12.59	17.15 12.22	16.93 12.85	17.27 13.20	16.98 12.51	17.58 12.70	17.62 12.23	1
2	17.05 12.69	16.82 12.18	16.69 11.73	16.63 11.95	19.45 14.61	17.29 12.59	16.62 12.22	16.80 12.85	17.39 13.20	17.26 12.51	17.79 12.70	17.51 12.23	2
3	16.91 12.76	16.84 12.14	16.22 11.93	16.96 12.22	22.62 20.61	16.79 11.89	16.33 11.93	17.05 12.93	17.37 12.65	17.38 12.48	17.80 12.31	17.43 12.24	3
4	16.92 12.74	16.62 12.33	16.36 11.76	17.15 12.45	20.92 18.36	16.69 11.74	16.49 12.31	17.17 13.10	17.30 12.52	17.53 12.19	17.76 12.24	17.75 12.95	4
5	16.88 12.51	16.31E 12.15	16.51 11.91	17.31 12.38	19.82 16.85	16.74 11.64	16.93 12.54	17.26 13.04	17.59 12.63	17.60 12.21	17.84 12.35	17.58 12.68	5
6	16.84 12.54	16.36 11.86	16.93 12.23	17.49 12.26	19.12 15.38	16.96 11.85	17.12 12.76	17.13 12.90	17.63 12.25	17.71 12.18	17.78 12.31	17.13 12.51	6
7	16.83 12.22	16.47 11.88	17.10 12.47	17.48 12.03	18.78 16.12	17.08 11.98	17.34 13.36	17.31 12.94	17.85 12.55	17.72 12.20	17.66 12.39	17.50 13.11	7
8	16.84 12.12	16.83 12.08	17.36 12.38	17.60 12.12	18.53 14.68	17.10 12.13	17.38 13.48	17.55 12.82	18.05 12.45	17.68 11.91	17.36 12.36	17.60 13.09	8
9	16.19 12.02	17.21 12.44	17.65 12.16	17.84 12.37	18.41 14.19	17.12 12.33	17.55 13.63	17.38 12.48	17.95 12.59	17.48 11.92	16.96 12.26	17.65 13.06	9
10	16.89 12.30	17.33 12.20	17.67 12.11	17.78 13.84	18.28 14.36	16.88 12.19	17.84 14.55	17.25 12.42	18.11 12.51	17.30 11.94	17.14 12.45	17.52 12.63	10
11	17.18 12.41	17.43 12.08	17.78 13.45	17.07 12.15	17.67 14.17	16.70 12.73	17.77 14.36	17.37 12.49	17.68 12.43	17.17 12.21	17.38 13.00	17.53 12.58	11
12	18.07 13.57	17.72 13.08	17.85 12.21	16.66 11.54	17.29 13.69	16.33 12.18	17.75 14.34	17.12 12.52	17.42 12.50	17.23 12.48	17.39 12.91	16.63 12.44	12
13	18.49 13.78	17.67 12.24	17.58 12.15	16.37 11.62	17.12 13.77	16.23 12.13	17.66 14.15	16.99 12.42	17.12 12.58	17.37 12.77	17.50 12.56	17.60 12.60	13
14	18.57 14.37	17.58 12.09	17.41 11.99	15.95 11.72	17.03 14.01	16.53 12.56	17.86 14.76	16.87 12.46	17.06 12.28	17.58 12.89	15.86 12.33	17.55 12.62	14
15	18.95 13.79	17.22 12.14	17.53 12.17	15.95 11.79	16.83 13.95	16.66 12.32	17.37 14.17	16.51 12.53	17.30 12.41	17.78 12.06	17.57 12.07	17.70 12.78	15
16	18.88 16.11	16.67 12.06	16.91 12.55	16.19 11.99	16.90 13.83	16.86 12.66	17.23 14.65	16.62 12.21	16.26 12.74	16.08 12.70	17.85 12.49	17.72 12.78	16
17	18.84 15.11	16.19 11.71	16.92 12.51	16.25 12.29	16.87 13.43	16.58 12.21	17.51 15.20	16.20 12.34	17.61 12.87	17.87 12.48	18.06 12.54	17.51 12.83	17
18	18.30 14.86	15.91 11.69	17.08 12.76	16.44 12.70	16.91 13.06	16.01 11.70	17.67 14.92	17.10 12.75	18.14 13.14	17.88 12.17	17.85 12.37	17.34 12.90	18
19	17.74 14.22	15.90 11.55	16.88 12.83	16.17 12.09	16.97 12.76	15.98 11.58	18.00 14.95	17.58 13.15	18.32 12.76	18.08 12.21	17.66 12.26	17.10 12.90	19
20	17.07 13.56	16.06 11.63	16.88 12.96	16.46 11.87	17.31 12.79	16.13 11.46	17.94 14.80	18.05 13.43	18.31 12.60	18.02 12.14	17.38 12.21	17.20 13.22	20
21	16.81 12.98	16.37 11.97	16.91 12.84	16.85 11.96	17.45 12.49	16.83 11.85	18.19 14.64	18.28 13.04	18.57 12.34	17.90 12.16	17.14 12.29	17.21 13.21	21
22	16.80 12.80	16.69 12.41	17.13 12.72	17.06 11.87	17.42 12.38	17.08 12.18	18.01 14.26	18.21 12.65	18.28 12.26	17.88 12.19	17.05 12.67	17.25 13.18	22
23	17.12 12.93	16.92 12.61	17.35 12.65	17.14 11.84	17.50 12.39	17.21 12.06	18.11 14.10	18.48 12.67	17.98 12.08	17.60 12.27	16.90 12.75	16.85 13.02	23
24	17.08 13.00	16.79 12.13	17.20 12.45	17.40 12.00	17.44 13.35	16.85 11.81	18.45 14.04	18.52 12.68	17.58 11.86	17.24 12.20	16.82 12.72	16.84 12.76	24
25	17.00 12.88	16.83 12.03	17.50 12.18	17.36 13.36	17.34 12.35	16.80 12.01	18.64 13.84	18.45 12.62	17.21 11.86	16.62 11.97	16.79 12.94	16.84 12.69	25
26	16.88 12.68	17.14 12.26	17.67 13.89	17.31 11.88	17.07 12.44	16.91 12.25	18.59 13.66	18.23 12.65	17.01 12.23	16.77 12.17	16.80 12.82	17.19 12.59	26
27	16.71 12.31	16.98 11.86	17.60 12.18	17.12 11.91	16.87 12.42	17.22 12.43	18.12 12.99	17.78 12.52	16.96 12.32	17.30 13.10	17.00 12.72	17.18 12.72	27
28	16.69 12.24	17.08 13.46	17.47 12.11	16.89 11.97	17.09 12.46	17.96 12.81	17.50 12.82	17.63 12.71	16.87 12.29	17.39 13.57	17.17 12.67	16.71 12.68	28
29	16.97 12.22	17.00 11.79	17.20 11.95	16.69 11.97	17.95 12.89	17.19 12.71	17.04 12.38	16.77 12.39	17.29 13.27	17.29 12.65	16.13 12.65	17.37 12.67	29
30	17.04 13.34	17.01 11.76	16.27 11.91	17.63 12.69	17.82 12.69	17.82 12.80	16.81 12.78	16.22 12.71	15.32 12.78	15.82 12.97	17.48 12.73	17.39 12.67	30
31	16.97 12.20	17.20 11.55	16.68 11.98	18.22 13.72	17.57 13.04	17.30 13.18				17.44 12.92	17.52 12.40		31
MAXIMUM	18.95	17.72	17.85	18.22	22.62	17.96	18.64	18.52	18.57	18.08	18.06	17.75	MAXIMUM
MINIMUM	12.02	11.55	11.73	11.54	12.35	11.46	11.93	12.21	11.86	11.91	12.07	12.23	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R. M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 14 45	121 42 26	SW24 5N 2E		10.1	28.42		JAN 42-DATE	1942 1941			USED USCGS

Station located at California Parking Corporation Headquarters, 6.2 mi. N of R1 Vista. Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.

*TABLE 24
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT RIO VISTA

in feet

STATION NO	WATER YEAR
891210	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
	16.77 13.01	16.86 12.33	16.72 12.04	16.41 12.20	18.42 14.51	16.94 12.51	17.06 12.79	16.33 12.84	17.28 13.59	16.98 13.03	17.48 12.93	17.48 12.69	1
2	17.11 13.84	16.73 12.37	16.57 11.99	16.60 12.22	18.57 14.46	17.15 12.83	16.51 12.43	16.70 13.05	17.31 13.51	17.29 12.91	17.74 12.97	17.35 12.55	2
3	16.93 13.09	16.75 12.32	16.10 12.19	16.89 12.46	19.02 15.79	16.85 12.23	16.28 12.16	16.89 13.14	17.26 13.07	17.43 12.81	17.70 12.65	17.29 12.57	3
4	16.96 12.96	16.51 12.50	16.27 11.94	17.10 12.73	19.04 15.37	16.60 12.01	16.42 12.54	17.03 13.34	17.19 12.88	17.50 12.56	17.70 12.57	17.62 13.29	4
5	16.82 12.74	16.27 12.31	16.38 12.11	17.27 12.58	18.79 14.88	16.60 11.92	16.81 12.77	17.13 13.29	17.49 12.95	17.57 12.60	17.76 12.67	17.44 12.99	5
6	16.74 12.69	16.26 12.06	16.80 12.42	17.45 12.50	18.64 14.39	16.84 12.18	16.92 12.96	17.01 13.09	17.49 12.69	17.65 12.53	17.74 12.61	16.99 12.84	6
7	16.81 12.41	16.32 12.11	16.98 12.68	17.46 12.30	18.57 14.19	16.97 12.30	17.25 13.56	17.21 13.19	17.76 12.91	17.70 12.51	17.52 12.69	17.35 13.47	7
8	16.77 12.31	16.72 12.33	17.26 12.59	17.59 12.40	18.44 13.97	16.96 12.41	17.23 13.61	17.36 13.01	17.94 12.83	17.64 12.28	17.19 12.66	17.51 13.37	8
9	16.17 12.19	17.12 12.71	17.48 12.40	17.80 12.65	18.36 14.30	16.97 12.65	17.39 13.66	17.31 12.69	17.84 12.90	17.43 12.31	16.79 12.59	17.46 13.36	9
10	16.85 12.47	17.18 12.47	17.57 12.33	17.74 12.50	18.27 15.42	16.72 12.48	17.60 14.16	17.15 12.65	18.04 12.88	17.27 12.30	17.05 12.79	17.45 12.93	10
11	16.97 12.59	17.29 12.34	17.69 12.47	17.14 13.87	17.55 14.09	16.53 12.75	17.48 13.93	17.26 12.69	17.58 12.76	17.14 12.59	17.32 13.37	17.45 12.85	11
12	17.90 13.67	17.60 12.49	17.78 14.12	16.61 11.92	17.22 13.74	16.21 12.46	17.50 14.00	17.01 12.53	17.33 12.79	17.12 12.79	17.41 13.27	17.30 12.70	12
13	18.29 13.85	17.61 13.68	17.49 12.40	16.33 11.85	17.02 13.82	16.15 12.58	17.42 13.86	16.93 12.64	17.05 12.86	17.29 13.09	17.44 12.88	17.40 12.67	13
14	18.39 13.77	17.56 12.39	17.35 12.28	15.93 11.96	16.97 14.01	16.42 12.92	17.62 14.45	16.79 12.67	16.95 12.60	17.51 13.27	17.54 12.66	17.50 12.69	14
15	18.51 14.22	17.15 12.43	17.48 12.43	15.92 12.09	16.72 14.05	16.60 12.62	17.09 13.78	16.44 12.47	17.23 12.74	17.67 13.35	16.04 12.44	17.52 13.02	15
16	18.39 14.42	16.64 12.32	16.88 12.82	16.16 12.30	16.83 13.91	16.70 13.02	16.69 13.94	16.49 12.44	17.52 13.02	15.96 13.02	17.82 12.84	16.80 13.02	16
17	18.42 14.00	16.12 12.02	16.88 12.78	16.26 12.61	16.78 13.52	16.50 12.60	17.04 14.22	16.17 12.59	16.22 13.24	17.76 12.77	18.02 12.89	17.34 13.10	17
18	18.13 14.00	15.91 11.97	17.04 12.99	16.41 12.99	16.82 13.19	16.00 11.98	16.79 13.93	16.95 13.01	18.06 13.49	17.78 12.46	17.79 12.74	17.18 13.20	18
19	17.64 13.87	15.84 11.80	16.80 13.00	16.27 12.34	16.90 12.90	15.92 11.85	17.37 14.15	17.41 13.41	18.24 13.11	17.91 12.53	17.59 12.59	16.92 13.18	19
20	17.00 13.48	16.02 11.91	16.78 13.15	16.44 12.14	17.25 12.89	16.09 11.76	17.54 14.09	17.87 13.64	18.21 12.88	17.90 12.49	17.32 12.57	17.02 13.50	20
21	16.72 12.98	16.24 12.19	16.80 13.00	16.84 12.21	17.40 12.62	16.78 12.19	17.86 14.05	18.12 13.29	18.41 12.68	17.79 12.47	17.01 12.67	17.10 13.45	21
22	16.68 12.85	16.55 12.67	17.05 12.88	17.02 12.14	17.38 12.54	17.05 12.45	17.73 13.91	18.06 12.88	18.19 12.56	17.75 12.49	16.92 13.04	17.14 13.30	22
23	16.94 13.05	16.79 12.82	17.28 12.82	17.13 12.09	17.40 12.54	17.00 12.33	17.89 13.83	18.29 12.94	17.85 12.41	17.46 12.60	16.79 13.09	16.75 14.05	23
24	16.89 13.13	16.64 12.32	17.17 12.62	17.39 12.22	17.32 12.56	16.65 12.13	18.27 13.87	18.39 12.94	17.51 12.21	17.11 12.54	16.72 13.13	16.72 13.05	24
25	16.81 13.01	16.67 12.22	17.41 12.40	17.29 12.17	17.20 12.67	16.58 12.31	18.45 13.77	18.27 12.83	17.12 12.19	16.54 12.34	16.74 13.33	16.75 12.98	25
26	16.71 12.84	16.99 12.50	17.52 12.44	17.24 12.14	16.96 13.19	16.72 12.56	18.44 13.64	18.08 12.91	16.91 12.59	16.71 13.17	16.76 13.17	17.08 12.85	26
27	16.53 12.47	16.87 12.09	17.50 14.20	17.04 13.38	16.85 12.66	17.02 12.69	18.01 13.07	17.67 12.79	16.90 12.68	17.26 13.44	16.90 13.02	16.38 13.00	27
28	16.54 12.43	16.99 12.06	17.38 12.34	16.81 12.19	16.92 12.75	17.76 13.06	17.49 12.94	17.54 13.02	16.86 12.72	17.31 13.93	17.09 12.97	17.14 12.97	28
29	16.83 12.44	16.87 13.77	17.10 12.20	16.51 12.21	17.50 12.87	17.62 12.96	16.72 12.89	17.19 12.96	15.35 13.18	15.73 13.27	16.33 12.97	17.30 13.00	29
30	16.94 13.62	16.89 12.01	17.00 12.20	17.50 12.87	17.99 13.81	17.38 13.19	16.16 13.45			17.36 13.21	17.44 12.74		30
31	16.90 12.41		16.65 12.25										31
MAXIMUM	18.51 12.19	17.61 11.80	17.78 11.94	17.99 11.85	19.04 12.54	17.76 11.76	18.45 12.16	18.39 12.44	18.41 12.19	17.91 12.28	18.02 12.44	17.62 12.55	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to determine the data in this table, it was necessary to avoid negative gage height.
Subtract 19.72 feet from main recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
35 08 42	121 41 33	SW31 4N 7E	10,000	12	7/25/55		25-DATE	1925	1961	0.00	USED
									1961	-0.57	USED
										-3.64	USCGS

Gage in contact with desk at U. S. Engineers Transportation Depot, 1.1 mi. below the Rio Vista bridge.
Station affected by tidal action. Maximum gage height listed does not indicate maximum discharge.

TABLE 248
DAILY MAXIMUM AND MINIMUM TIDES

THREEMILE SLOUGH AT SACRAMENTO RIVER

in feet

STATION NO	WATER YEAR
B91160	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.05 9.42	13.22 8.83	13.12 8.50	12.69 8.63	14.75 10.95	13.17 8.93	13.35 9.19	12.72 9.24	13.63 9.94	13.27 9.43	13.80 9.34	13.81 9.15	1
2	13.44 10.19	13.14 8.83	12.95 8.44	12.84 8.67	14.83 10.84	13.46 9.26	12.81 8.85	12.98 9.44	13.54 9.89	13.57 9.27	14.05 9.41	13.69 9.06	2
3	13.34 9.51	13.11 8.60	12.87 8.65	13.17 8.92	15.29 12.16	13.26 8.68	12.61 8.58	13.20 9.58	13.55 9.69	13.71 9.19	14.00 9.09	13.69 9.04	3
4	13.37 9.42	12.90 8.98	12.62 8.42	13.37 9.22	15.37 11.76	12.95 8.48	12.73 8.96	13.31 9.74	13.46 9.22	13.77 8.96	13.98 8.98	13.97 9.71	4
5	13.26 9.23	12.64 8.60	12.73 8.57	13.54 9.08	15.10 11.20	12.95 8.40	13.13 9.21	13.44 9.72	13.74 9.31	13.83 9.00	14.00 9.09	13.81 9.48	5
6	13.21 9.17	12.65 8.54	13.12 8.90	13.74 8.97	14.92 10.71	13.23 8.65	13.26 9.43	13.28 9.51	13.80 9.08	13.92 8.96	14.03 9.09	13.30 9.30	6
7	13.24 8.92	12.71 8.58	13.29 9.13	13.76 8.79	14.84 10.49	13.30 8.76	13.56 10.01	13.49 9.57	14.11 9.31	13.95 8.95	13.89 9.19	13.68 9.87	7
8	13.19 8.84	13.09 8.84	13.55 9.04	13.86 8.88	14.71 10.35	13.29 8.90	13.57 10.06	13.71 9.42	14.28 9.21	13.91 8.74	13.61 9.13	13.80 9.80	8
9	13.29 8.71	13.48 9.21	13.77 8.87	14.09 9.12	14.67 10.67	13.30 9.11	13.73 10.06	13.63 9.11	14.23 9.31	13.73 8.76	13.21 9.07	13.81 9.71	9
10	13.19 8.97	13.53 8.93	13.88 8.81	14.01 9.04	14.56 11.85	13.06 8.97	13.86 10.53	13.47 9.03	14.41 9.33	13.56 8.76	13.41 9.29	13.72 9.32	10
11	13.34 9.09	13.63 8.78	14.01 8.91	13.88 10.43	13.83 10.52	12.85 9.21	13.78 10.28	13.59 9.11	13.96 9.21	13.46 9.06	13.69 9.84	13.77 9.76	11
12	14.24 10.19	13.90 8.90	14.08 10.58	12.94 8.54	13.49 10.11	12.55 8.95	13.84 10.40	13.34 8.93	13.75 9.24	13.42 9.29	13.76 9.69	12.60 9.18	12
13	14.62 10.36	13.89 10.10	13.78 8.86	12.64 8.34	13.34 10.19	12.46 9.04	13.80 10.28	13.25 9.03	13.38 9.30	13.62 9.57	13.77 9.32	13.62 9.13	13
14	14.73 10.22	13.83 8.81	13.66 8.72	12.26 8.49	13.27 10.36	12.75 9.38	14.03 10.83	13.17 9.08	13.29 9.08	13.81 9.73	12.19 9.11	13.71 9.17	14
15	14.84 10.59	13.47 8.83	13.82 8.92	12.24 8.58	13.09 10.42	12.93 9.10	13.51 10.51	12.82 8.89	13.53 9.17	14.00 9.81	13.87 8.87	13.78 9.47	15
16	14.71 10.88	12.95 8.72	13.22 9.27	12.49 8.78	13.23 10.29	13.02 9.49	13.11 10.31	12.84 8.85	12.56 9.56	14.06 9.47	14.17 9.29	13.82 9.45	16
17	14.77 10.37	12.45 8.41	13.19 9.24	12.59 9.07	13.17 9.89	12.90 8.98	13.36 10.61	12.52 9.02	13.86 9.69	12.33 9.22	14.27 9.29	13.64 9.54	17
18	14.47 10.36	12.29 8.37	13.34 9.44	12.79 9.47	13.19 9.56	12.40 8.48	13.16 10.28	13.24 9.41	14.36 9.88	14.16 8.94	14.11 9.19	13.47 9.64	18
19	13.99 10.25	12.19 8.24	13.12 9.46	12.69 8.85	13.29 9.28	12.35 8.36	13.70 10.46	13.67 9.82	14.56 9.52	14.30 9.01	13.89 9.04	13.30 9.70	19
20	13.35 9.87	12.34 8.35	13.10 9.60	12.83 8.64	13.60 9.29	12.46 8.24	13.83 10.43	14.17 10.04	14.58 9.29	14.20 8.95	13.65 9.02	13.38 9.96	20
21	13.04 9.38	12.63 8.70	13.09 9.44	13.19 8.66	13.71 8.98	13.16 8.69	14.12 10.41	14.35 9.67	14.78 9.13	14.18 8.91	13.37 9.14	13.41 9.92	21
22	13.03 9.27	12.92 9.14	13.34 9.32	13.36 8.59	13.72 8.90	13.36 8.93	14.03 10.26	14.32 9.24	14.53 8.99	14.15 8.94	13.33 9.49	13.46 9.91	22
23	13.27 9.47	13.16 9.29	13.55 9.27	13.42 8.54	13.72 8.94	13.37 8.83	14.17 10.17	14.57 9.29	14.21 8.84	13.83 9.04	13.14 9.57	13.14 9.72	23
24	13.25 9.59	13.04 8.81	13.57 9.07	13.67 8.67	13.66 8.93	12.98 8.61	14.51 10.21	14.68 9.26	13.85 8.67	13.48 8.98	13.09 9.57	13.13 9.47	24
25	13.16 9.49	13.04 8.69	13.71 8.85	13.62 8.58	13.50 9.02	12.90 8.80	14.76 10.11	14.57 9.18	13.46 8.63	12.84 8.78	13.09 9.79	13.14 9.37	25
26	13.11 9.31	13.36 8.96	13.85 8.91	13.54 8.57	13.17 9.59	13.04 9.04	14.73 9.99	14.37 9.23	13.21 9.01	13.03 8.99	13.09 9.61	13.41 9.31	26
27	12.91 8.99	13.28 8.56	13.82 8.82	13.36 9.83	13.19 9.02	13.36 9.15	14.30 9.46	13.97 9.14	13.23 9.11	13.60 9.88	13.28 9.48	13.43 9.42	27
28	12.91 8.90	13.34 8.51	13.71 10.66	13.14 8.62	13.22 9.12	14.07 9.49	13.84 9.34	13.82 9.39	13.16 9.12	13.67 10.40	13.46 9.42	13.56 9.36	28
29	13.18 8.89	13.26 10.26	13.36 8.65	12.84 8.68		14.00 9.48	13.65 9.28	13.23 9.02	13.08 9.24	13.55 10.02	12.46 9.39	12.94 9.36	29
30	13.26 8.88	13.27 8.47	13.26 8.60	13.83 9.29		13.89 9.36	13.05 9.35	13.42 9.32	11.66 9.60	13.69 9.70	13.74 9.47	13.65 9.38	30
31	13.22 10.27		12.91 8.66	14.32 10.24		13.68 9.60		12.43 9.78		12.35 9.68	13.79 9.22		31
MAXIMUM	14.84 8.71	13.90 8.24	14.08 8.42	14.32 8.34	15.37 8.90	14.07 8.24	14.76 8.58	14.68 8.85	14.78 8.63	14.30 8.74	14.37 8.87	13.97 9.04	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES								
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.O.B.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
38 06 18	121 41 57	SEBZ ON SE		6.7	12 16, 55		APR 29-DATE	1923	1947	7.00	USED
								1940	1957	7.00	USCGS
								1957		-16.00	USCGS
								1959		-6.75	USED

Station located on Sherman Island, 1.1 mi. E of State Highway 24 bridge, 3.6 mi. S of Rt. Vista.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.
Maximum gage ht. listed at datum then in use.

* TABLE 249
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

in feet

STATION NO	WATER YEAR
891110	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.09 12.56	16.21 13.88	16.06 11.71	15.75 11.94	17.60 13.91	16.07 12.03	16.18 12.09	15.50E 12.25E	16.40 12.70E	16.53 12.60	15.39 12.49	NR NR	1
2	16.28 12.62	16.11 12.07	15.95 11.66	15.91 11.96	17.61 13.85	16.35 12.18	15.67 11.80	15.78 12.48	16.47 13.05E	14.99 12.43	16.92 12.50	NR NR	2
3	16.20 13.37	16.06 12.00	15.42 11.86	16.21 12.24	18.12 14.62	16.19 11.75	15.45 11.60	16.09 12.69	15.05E 12.70E	16.62 12.25	16.97 12.25	NR NR	3
4	16.25 12.52	15.80 12.01	15.57 11.64	16.39 12.46	18.24 14.25	15.87 11.52	15.57 11.93	16.21 12.86	16.41 12.50E	16.74 12.08	16.92 12.18	17.60E NR	4
5	16.15 12.33	15.59 11.98	15.65 11.75	15.57 12.27	17.99 13.80	15.88 11.50	16.05 12.32	16.39 12.84	16.61 12.35E	16.81 12.05	16.94 12.26	NR NR	5
6	16.08 12.24	15.63 11.78	15.04 11.08	16.74 12.17	17.85 13.43	16.17 11.70	16.21 12.53	16.22 12.59	16.80 12.10E	NR NR	16.91 12.25	NR NR	6
7	16.03 12.05	15.71 11.81	16.23 12.33	16.75 12.00	17.82 13.37	16.25 11.80	16.39 13.01	16.43 12.66	17.08 12.15E	NR NR	16.78 12.33	NR NR	7
8	16.06 11.95	16.06 12.08	16.50 12.23	16.89 12.06	17.67 13.25	16.22 12.00	16.45 13.08	16.63 12.54	17.20 11.85E	NR NR	16.52 12.30	NR NR	8
9	16.28 11.90	16.41 12.46	16.74 12.06	17.11 12.17	17.68 13.62	16.20 12.15	16.58 13.02	16.54 12.22	17.10 11.90E	NR NR	16.12 12.28	NR NR	9
10	16.10 12.14	16.51 12.16	16.82 12.00	17.02 11.95	17.53 13.48	15.98 12.05	16.75 13.33	16.38 12.15	17.36 12.20E	NR NR	16.25 12.48	NR NR	10
11	16.27 12.27	16.60 12.00	16.97 12.10	16.52 11.58	16.77 13.16	15.75 12.20	16.70 13.16	16.50 12.10E	16.90 12.05E	NR NR	16.52 12.93	NR NR	11
12	17.15 13.40	16.87 12.10	17.07 13.81	15.95 11.44	16.44 14.06	15.44 12.03	16.80 13.25	16.24 11.95E	16.72 12.13E	NR NR	16.60 12.78	NR NR	12
13	17.45 13.48	16.86 12.00	16.74 12.06	15.63 13.09	16.27 13.29	15.40 12.20	16.72 13.13	16.21 12.20E	16.30 12.15E	16.50 12.60	16.67 12.39	NR NR	13
14	17.54 13.25	16.78 13.60	16.62 11.91	15.23 11.49	16.21 13.45	15.68 12.49	16.91 13.72	16.08 12.21E	16.20 12.20	16.74 12.84	16.75 12.20	NR NR	14
15	17.66 13.62	16.40 11.95	16.75 12.10	15.23 11.58	16.05 13.55	15.82 12.21	16.45 13.00	15.80 12.23E	16.45 12.33	16.94 12.96	16.98 12.05	NR NR	15
16	17.56 14.29	15.91 11.87	16.18 12.46	15.50 11.80	16.27 13.42	16.00 12.66	16.02 13.05	15.60E 12.25E	16.85 12.72	17.06 12.65	15.65 12.33	NR NR	16
17	17.61 13.20	15.42 11.63	16.12 12.38	15.60 12.14	16.11 12.99	15.82 12.12	16.20 13.26	16.11 12.48E	15.57 12.90	15.29 12.29	17.16 12.40	NR NR	17
18	17.28 13.24	15.25 11.61	16.23 12.58	15.78 12.53	16.16 12.65	15.33 11.61	16.63 13.03	16.51 12.50E	17.23 12.90	17.07 12.09	16.97 12.29	NR NR	18
19	16.80 13.16	15.18 11.57	16.00 12.58	15.81 12.06	16.25 12.38	15.26 11.51E	16.69 13.20	16.00 12.90E	17.46 12.63	17.20 12.13	16.77 12.23	NR NR	19
20	16.19 12.82	15.32 11.58	16.00 12.73	15.81 11.81	16.48 12.31	15.41 11.45E	16.73 13.19	16.99 13.04	17.55 12.43	17.21 12.08	16.51 12.19	NR NR	20
21	15.92 12.49	15.60 11.95	16.01 12.58	16.18 11.90	16.63 12.07	16.09 11.75	16.96 13.23	17.21 12.77	17.60 12.29	17.05 12.04	16.28 12.30	NR NR	21
22	15.90 12.42	15.91 12.40	16.27 12.46	16.35 11.82	16.69 11.99	16.28 12.11	16.90 13.10	17.27 12.36	17.39 12.11	16.99 12.12	NR NR	NR NR	22
23	16.19 12.57	16.15 12.55	16.50 12.40	16.41 11.77	16.67 11.99	16.30 11.92	17.00 13.00	17.50 12.16E	17.20 12.00	16.77 12.18	NR NR	NR NR	23
24	16.12 12.71	16.20 12.07	16.67 12.22	16.66 11.88	16.57 12.01	15.90 11.70	17.23 12.98	17.61 12.05E	16.86 11.84	16.37 12.10	NR NR	NR NR	24
25	16.11 12.71	16.04 11.94	16.66 11.98	16.61 11.83	16.38 12.10	15.81 11.90	17.66 13.00	17.59 11.95E	16.47 11.83	15.85 12.02	NR NR	NR NR	25
26	16.06 12.61	16.36 12.22	16.77 11.79	16.55 11.84	16.07 12.15	15.92 12.18	NR NR	17.22 12.25E	16.16 12.10	15.95 12.25	NR NR	NR NR	26
27	15.90 12.26	16.28 11.80	16.90 12.09	16.36 11.90	16.09 12.70	16.28 12.28	NR NR	16.90 12.45E	16.13 12.20	16.40 12.97	NR NR	16.36 12.63	27
28	15.85 12.19	16.33 11.72	16.76 11.95	16.15 13.20	16.18 12.28	16.98 12.57	NR NR	16.70 12.90	16.10 12.25	16.51 13.40	NR NR	16.51 12.53	28
29	16.19 12.15	16.22 11.66	16.48 13.84	15.92 11.94	16.83 12.45	16.83 12.45	NR NR	16.16 12.85E	16.05 12.40	16.49 13.18	NR NR	15.85 12.52	29
30	16.30 12.17	16.22 13.76	16.39 11.91	16.80 12.60	16.72 12.60	16.72 12.28	NR NR	16.25 13.30E	16.23 12.77	16.63 12.83	17.46E NR	16.56 12.56	30
31	16.23 12.07	15.99 12.94	17.28 13.50	16.51 13.50	16.51 12.39	16.51 12.39	16.41 13.70E	NR NR	16.74 12.70	NR NR	NR NR	NR NR	31
MAXIMUM	17.66 11.90	16.87 11.57	17.07 11.08	17.28 11.44	18.24 11.99	16.98E 11.45	17.96 11.60	17.61 11.95E	17.60 11.83	17.21 11.89	17.46E NR	7.60E NR	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 19.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B B M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
39° 41' 25"	121° 51' 18"	3W27 3N 1E		7.2	4/6/58		June 29-Date	1929	1929	0.00 -3.05	USED USCGS

Station located 0.4 mi. SW of Collinsville, 3.3 mi. NE of Pittsburg.
Maximum gage height does not indicate maximum discharge.

• TABLE
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

in feet

STATION NO	WATER YEAR
895820	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
	12.95 10.79	11.35	11.51 11.54	11.94 11.61	14.61 12.45	14.52 13.61	17.09 16.69	17.03 16.81	20.81 19.81	13.52	13.29 10.49	13.49 10.79	
2	13.34 10.95	13.35 11.02	13.34 11.54	13.01 11.41	14.91 12.41	14.61 13.35	16.96 16.62	16.83 16.43	19.95A 19.43A	14.06 12.29	13.64 10.61	13.40 10.78	4
3	13.22 11.01	13.42 10.97	12.81 11.43	13.13 11.29	17.44A 13.74A	14.46 13.34	15.66 15.16	16.16 15.41	19.48A 18.84A	13.97 12.24	13.59 10.44	13.29 10.77	3
4	13.38 10.92	12.74 11.02	12.87 11.12	13.37 11.39	19.37A 17.39A	13.95 12.99	15.03 14.58	15.71 15.06	18.99 18.54	13.93 11.66	13.50 10.54	13.58 11.22	4
5	12.45 10.86	13.18 10.93	12.79 11.09	13.57 11.61	19.51 19.02	13.54 12.49	14.88 14.30	15.94 15.38	18.40 17.54	13.79 11.49	13.56 10.59	13.47 11.04	
6	13.27 10.75	12.76 10.74	13.12 11.33	13.66 11.69	19.41 18.91	13.66 11.97	14.61 13.76	15.99 15.46	17.37 16.28	13.88 11.50	13.46 10.57	13.01 10.61	6
7	13.28 10.70	12.62 10.72	13.30 11.55	13.72 11.52	19.05 18.69	13.57 11.94	14.36 13.26	15.99 15.39	16.45 15.28	13.85 11.44	13.32 10.59	13.41 11.12	7
8	13.27 10.74	12.93 10.87	13.58 11.73	13.81 11.39	18.18 17.48	13.49 11.83	15.68 13.58	16.07 15.42	15.94 14.68	13.83 11.51	13.07 10.55	12.78 11.21	8
9	13.06 10.62	13.27 11.13	13.79 11.85	14.11 11.44	17.09 16.38	13.38 11.73	16.98 15.58	16.24 15.54	15.82 14.87	13.84 11.57	12.73 10.39	13.63 11.26	9
10	13.04 10.68	13.34 11.27	13.76 11.83	14.13 11.76	17.09 16.35	13.11 11.63	17.92A 17.02A	16.43 15.18	16.23 15.18	13.52 11.31	12.61 10.51	13.66 11.03	10
11	13.05 10.75	13.37 11.22	13.85 11.65	13.73 11.81	17.83 16.57	12.91 11.43	17.91 17.33	16.94 16.37	16.04 15.27	13.57 11.62	12.91 10.88	13.55 10.92	11
12	13.46 11.31	13.72 11.17	14.09 11.68	13.25 11.56	18.11 17.67	12.65 11.23	18.98A 17.72A	18.65A 17.15A	16.56 15.83	13.39 11.41	13.26 10.92	13.65 10.92	12
13	14.27 11.79	13.76 11.28	13.85 11.89	12.99 11.38	17.80 17.36	12.46 10.93	19.68A 18.98A	19.34A 18.65A	16.79 15.56	13.37 11.54	13.29 10.63	13.53 11.02	13
14	14.52 12.36	13.75 11.22	13.80 11.73	12.64 11.26	17.62 17.11	12.58 11.02	19.71A 18.26A	19.40A 18.74A	15.76 13.56	13.51 11.40	13.29 10.44	13.59 11.17	14
15	14.70 12.25	13.49 11.19	13.95 11.73	12.49 11.04	19.18A 17.89A	12.91 10.78	18.26A 16.66A	18.74A 17.24A	14.32 12.56	13.52 11.38	13.34 10.37	13.65 11.40	5
16	14.63 12.44	13.14 11.09	13.52 11.82	12.67 10.84	19.17A 18.48A	12.47 10.66	17.93A 16.74A	17.29A 16.00A	14.24 13.51	13.64 11.22	13.56 10.62	13.71 11.40	6
17	14.58 12.21	12.51 10.87	13.34 11.64	12.77 10.89	18.48A 17.61A	13.11 10.98	18.78A 17.93A	16.23 15.76	15.15 14.44	13.69 10.99	13.75 10.76	13.53 11.56	7
18	14.34 12.00	12.72 10.77	13.45 11.53	12.99 10.96	17.77 17.44	12.89 11.33	18.32 17.87	15.99 15.01	15.45 14.12	13.67 10.95	13.59 10.75	13.46 11.56	18
19	13.72 11.82	12.29 10.59	13.32 11.43	12.89 11.21	17.49 17.17	12.88 11.85	17.19 16.74	15.49 14.56	15.64 14.24	13.87 11.02	13.39 10.67	13.27 11.51	19
20	14.04 11.50	12.38 10.54	13.33 11.62	12.91 10.96	17.63 16.94	12.73 11.01	16.99 16.48	16.85 15.81	16.03 15.01	13.78 10.84	13.17 10.59	13.42 11.67	20
21	13.32 11.12	12.64 10.71	13.38 11.78	13.22 10.87	16.97 16.61	13.18 10.72	17.76 16.69	17.59 16.75	16.76 15.49	13.64 10.88	12.86 10.44	13.51 11.69	21
22	13.05 11.03	12.94 10.57	13.72 11.99	13.29 10.96	16.19 15.68	13.10 10.91	18.48 17.60	18.07 17.48	17.48 16.72	13.72 10.89	12.86 10.64	13.67 11.75	22
23	13.16 11.04	13.17 11.14	13.94 12.16	13.32 10.96	16.59 16.28	13.25 10.83	18.71 18.32	18.59 17.99	17.60 16.64	13.37 10.69	12.69 10.69	13.39 11.69	23
24	13.10 11.14	12.99 11.20	14.04 12.25	13.52 11.01	15.60 15.04	12.78 11.03	18.83 18.45	19.01 18.54	16.73A 15.04A	13.08 10.54	12.72 10.52	12.59 11.52	24
25	13.00 11.12	13.07 11.02	13.94 12.12	13.46 11.12	15.23 14.64	12.82 10.94	18.72 18.08	19.29 18.77	15.29 14.81	12.57 10.16	12.69 10.64	13.39 11.44	25
26	12.97 11.07	13.36 11.16	14.00 11.99	13.36 11.09	14.97 14.36	12.93 11.32	18.44 17.84	19.69 19.29	14.44 13.81	12.24 10.07	12.75 10.66	13.45 11.37	26
27	12.84 11.11	13.35 11.37	13.84 11.91	13.11 11.07	14.90 14.19	13.08 11.26	18.36 17.80	19.90 19.64	14.11 13.07	12.47 10.59	12.89 10.59	13.69 11.44	27
28	12.90 11.00	13.51 11.21	13.82 11.74	13.01 11.03	14.69 13.87	13.69 11.70	18.28 17.63	19.78 19.30	13.69 12.47	13.14 10.87	13.11 10.57	13.57 11.23	28
29	13.16 11.00	13.52 11.46	13.55 11.76	12.43 10.94		13.85 11.85	17.74 16.66	19.41 19.08	13.38 11.89	13.26 10.81	13.22 10.54	13.62 11.34	29
30	13.26 11.11	13.56 11.42	13.54 11.63	12.74 10.72		16.01A 12.46A	16.88 16.47	19.58 19.40	13.37 11.57	13.20 10.62	13.49 10.76	13.59 11.32	30
31	13.31 11.11		13.29 11.71	13.53 11.55		16.92 16.30		20.00 19.86		13.35 10.57	13.52 10.69		31
MAXIMUM	14.70 10.62	13.76 10.54	14.09 11.09	14.13 10.72	19.51 12.41	16.92 10.66	19.71 13.26	20.00 14.56	20.11 11.57	14.06 10.07	13.75 10.37	13.71 10.77	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15-63	1730	19.16	4-17-63	1450	18.78						
4-14-63	0120	19.71	5-14-63	0240	19.40						

* In order to maintain precision of the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO	
37° 47' 15"	121° 18' 21"	SW 3 CS 02		12.1	12.1	20-DATE	1924	1943	5.16 4.30 5.27	USED USCGS USED

Station is located below U. S. Highway bridge, 3/4 mi. SW of Lathrop. Station affected by tidal action.
Maximum gage height listed does not necessarily indicate maximum discharge.

* TABLE 21
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT BRANOT BRIDGE

in feet

STATION NO	WATER YEAR
B95740	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.25 14.36	17.51 14.10	17.84 14.01	18.07 13.94	18.80 15.80	17.64 15.21	18.54 16.02	18.22 16.31	20.02 18.84	17.58 14.76	17.60 13.96	17.59 13.98	
2	17.53 14.56	17.50 14.00	17.34 14.06	16.98 14.04	19.03 17.54	17.99 14.77	18.09 15.31	18.20 15.96	19.98 18.34	17.81 14.66	17.83 13.85	17.46 13.89	2
3	17.63 14.42	17.28 14.08	16.83 13.79	17.37 14.18	20.63 18.77	17.44 14.26	17.39 15.82	18.00 16.17	19.48 18.06	17.94 14.49	17.71 13.86	17.67 14.62	3
4	17.50 14.30	17.02 13.99	16.85 13.79	17.65 14.42	20.61 18.94	17.29 14.02	17.52 15.28	18.11 16.23	19.41 17.60	18.18 14.53	17.75 13.95	17.59 14.31	4
5	17.50 14.13	16.91 13.72	17.21 14.07	17.74 14.74	20.46 18.70	17.59 14.94	17.59 15.31	18.07 16.17	19.04 16.79	18.22 14.61	17.69 13.92	17.10 14.08	5
6	16.71 14.00	16.89 13.81	17.37 14.34	17.80 14.33	20.27 18.51	17.54 14.25	17.97 15.16	18.21 16.19	18.90 16.25	18.43 14.75	17.56 13.98	17.53 14.56	6
7	17.56 14.03	17.17 14.04	17.61 14.55	17.94 14.23	19.71 18.21	17.61 14.29	18.04 15.64	18.33 16.19	18.91 15.89	18.40 14.43	17.27 13.92	17.67 14.53	7
8	17.39 13.97	17.52 14.37	17.89 14.54	18.20 14.30	19.31 17.23	17.49 14.36	18.50 16.67	18.33 16.09	18.84 15.97	18.06E 14.48E	16.92 13.77	17.74 14.54	8
9	17.38 14.08	17.59 14.59	17.93 14.51	18.20 14.63	19.35 17.18	17.20 14.39	18.94 16.29	18.29 16.15	18.99 16.15	17.88E 14.35E	17.07 13.88	16.39 14.16	9
10	17.40 14.21	17.64 14.37	18.06 14.43	17.78 14.65	19.08 17.28	17.05 14.27	19.07 17.37	18.59 16.64	18.69 16.05	17.85E 14.66E	16.60 14.41	17.61 14.04	10
11	17.76 14.95	17.94 14.26	18.19 14.44	17.24 14.28	19.02 17.65	16.79 14.28	19.25 17.87	18.83 17.39	18.69 16.46	17.81E 14.70E	17.37 14.27	17.70 14.05	11
12	18.51 15.32	17.99 14.46	17.97 14.55	16.97 13.93	18.91 17.59	16.54 13.92	19.84 18.68	19.45 18.19	18.59 16.44	17.74E 14.75E	17.43 13.95	17.55 14.10	12
13	18.74 15.91	17.99 14.36	17.91 14.36	16.62 13.85	18.96 17.65	16.76 14.21	20.10 18.40	19.62 18.12	18.35 15.21	17.79E 14.67E	17.47 13.81	17.65 14.19	13
14	18.87 15.98	17.67 14.34	NR NR	16.52 13.75	19.47 18.17	17.08 13.98	18.97 17.04	19.04 17.18	17.84 14.66	17.75E 14.71E	17.53 13.68	17.69 14.41	14
15	18.79 15.84	17.31 14.16	NR NR	16.73 13.73	19.50 18.22	16.65 14.15	18.75 17.69	18.34 16.24	17.84 15.34	17.79E 14.43E	17.78 14.00	17.75 14.45	15
16	18.77 15.45	16.85 13.79	NR NR	16.83 13.88	19.08 17.49	17.19 13.93	19.32 18.02	17.88 15.77	18.36 15.79	17.79E 14.33E	17.96 14.13	17.52 14.51	16
17	18.52 15.31	16.77 13.64	NR NR	17.02 14.09	18.79 17.12	16.81 13.64	19.13 17.18	17.93 15.69	18.88 15.90	17.81E 14.17E	17.78 14.08	17.43 14.53	17
18	18.22 15.17	16.51 13.39	NR NR	16.97 13.87	18.70 17.53	16.82 13.54	18.80 16.97	NR NR	19.03 15.91	17.99E 14.22E	17.59 13.95	17.25 14.51	18
19	17.82 14.83	16.59 13.38	NR NR	17.02 13.77	18.99 16.86	16.77 13.42	18.68 17.40	NR NR	19.08 16.00	18.00E 14.14E	17.38 13.88	17.40 14.74	19
20	17.45 14.37	16.81 13.73	NR NR	17.32 14.70	18.74 16.95	17.29 13.89	19.02 17.07	NR NR	19.32 16.51	17.96E 14.18E	17.08 13.82	17.45 14.73	20
21	17.19 14.27	17.13 14.11	NR NR	17.44 13.92	18.55 16.42	17.41 14.70	19.19 17.59	19.37 17.44	19.40 16.98	18.05E 14.18E	17.03 14.06	17.60 14.74	21
22	17.36 14.41	17.36 14.34	NR NR	17.49 13.89	18.29 16.09	17.38 13.69	19.64 18.10	19.74 17.83	19.32 16.83	17.71E 14.13	16.89 14.09	NR NR	22
23	17.32 14.57	17.24 14.49	NR NR	17.70 13.92	18.19 15.91	16.95 14.11	19.82 18.15	20.02 18.06	18.71 15.89	17.46 14.07	15.85 14.01	NR NR	23
24	17.19 14.46	17.26 14.12	NR NR	17.61 14.07	17.98 15.75	16.90 13.92	19.92 17.96	20.09 18.33	18.03 15.21	NR NR	16.90 14.13	NR NR	24
25	17.19 14.45	17.58 14.07	NR NR	17.53 14.01	17.69 15.61	17.02 14.12	19.80 17.79	20.26 18.60	17.67 14.98	NR NR	15.86 14.04	NR NR	25
26	17.07 14.43	17.56 14.32	NR NR	17.30 14.00	17.74 15.50	17.23 14.28	19.53 17.52	20.13 18.70	17.73 14.70	16.75 14.32	16.98 13.89	17.60 14.33	26
27	17.08 14.18	17.64 14.04	17.79 14.27	17.17 13.96	17.63 15.29	17.99 14.97	19.26 17.37	20.09 18.56	17.48 14.38	17.33 14.67	17.21 13.86	17.56 14.29	27
28	17.35 14.12	17.62 14.14	17.55 14.22	16.61 13.96	18.00 15.17	18.00 15.17	18.78 16.78	19.64 18.24	17.36 14.25	17.42 14.41	17.33 13.86	17.63 14.33	28
29	17.45 14.19	17.63 14.04	17.53 14.15	17.67 13.96	18.41 15.00	18.33 16.00	18.33 16.51	19.52 18.94	17.30 14.72	17.35 14.18	17.57 13.97	17.59 14.34	29
30	17.48 14.18		17.23 14.18	18.32 14.92		18.74 16.81		19.85 18.86		17.52 14.16	17.62 13.90		30
31													31
MAXIMUM	18.87 13.97	17.99 13.38	NR NR	18.32 13.73	20.63 15.29	18.74 13.42	20.10 15.16	20.26 NR	20.02 14.25	18.4 NR	17.96 13.68	NR NR	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage heights.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M 0.8 BM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 51 53	121 19 18	NW 9 1S 6E					JUL 40-DATF	1940	1952	-4.61	USCGS
								1952		-3.79	USCGS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

DAILY MAXIMUM AND MINIMUM TIDES

MCLEOD LAKE AT STOCKTON

in feet

STATION NO	WATER YEAR
895700	1977

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	6.90 3.30	7.40 2.90	8.10 2.80	8.90 6.10	8.30 5.50	8.00 4.40	7.40 3.30	7.00 3.40	7.50 3.80	7.80 4.20	NR NR	7.80 3.20	
2	7.10 3.30	7.20 3.00	7.70 3.10	8.40 5.90	7.90 5.10	7.60 4.30	6.80 3.00	6.80 3.30	7.40 4.10	NR NR	7.70 3.00	7.70 3.20	2
3	7.60 3.20	7.10 2.80	7.00 2.90	8.40 4.40	7.80 5.00	7.50 4.30	6.30 2.90	6.80 3.50	7.80 4.60	7.90 3.60	7.70 2.80	7.70 3.40	3
4	7.30 3.50	7.30 2.60	6.50 2.50	8.40 5.30	7.70 4.60	7.40 4.20	6.30 2.80	7.30 3.80	8.20 4.40	8.10 3.40	7.80 2.80	7.70 3.60	4
5	7.00 2.90	6.90 2.70	6.30 2.80	8.50 5.40	7.70 4.50	7.10 4.20	6.30 2.80	7.30 4.20	8.00 3.80	8.40 3.50	7.70 2.80	7.50 3.50	5
6	7.00 2.70	6.40 2.50	7.00 2.80	8.50 5.60	7.50 4.10	6.80 3.30	6.40 3.00	7.70 4.10	NR 3.70	8.40 3.20	7.50 2.70	7.50 3.80	6
7	7.20 2.70	6.20 2.50	6.80 3.00	8.70 6.00	7.50 4.10	6.70 3.20	6.80 3.40	7.90 4.00	NR 3.70	8.40 NR	7.40 2.80	7.40 3.60	7
8	7.10 2.90	6.30 2.40	7.00 3.00	8.50 5.40	7.40 3.90	7.00 3.40	6.90 3.40	8.10 3.90	NR 3.70	NR NR	7.30 3.10	7.30 3.30	8
9	6.90 2.80	6.40 2.80	7.20 3.10	8.60 5.40	7.50 3.90	7.20 3.20	7.10 3.10	8.60 4.20	NR NR	NR NR	7.10 3.10	7.20 3.20	9
10	6.90 2.90	7.00 3.20	7.20 2.90	8.40 5.30	7.50 3.80	7.20 3.50	7.70 3.70	8.60 4.00	NR 3.90	NR NR	7.20 3.00	7.30 3.10	10
11	6.60 2.90	7.10 3.10	7.10 2.70	8.20 4.10	7.50 3.80	7.30 3.60	7.70 3.80	8.70 3.90	NR 3.50	NR NR	7.70 3.60	7.20 3.00	11
12	6.40 2.80	6.90 3.10	7.20 2.70	8.20 4.90	7.50 3.90	6.90 3.80	7.80 3.20	8.70 3.80	NR 3.00	NR NR	7.50 3.70	7.00 2.90	12
13	6.70 3.10	7.20 2.70	7.10 2.70	8.20 4.90	7.50 3.90	7.10 3.50	7.80 3.30	8.30 3.50	7.80 3.70	NR NR	7.30 3.30	6.80 2.80	13
14	7.20 3.60	7.40 3.10	7.20 2.70	8.30 4.90	7.40 3.90	7.50 3.70	7.90 3.20	8.00 3.20	7.90 3.90	NR NR	7.40 3.00	6.80 2.80	14
15	7.20 3.60	7.40 2.90	7.10 2.70	8.60 5.20	7.40 3.90	7.40 3.40	7.60 3.00	7.70 3.10	7.90 3.60	NR NR	7.40 3.00	6.80 2.80	15
16	7.40 3.40	7.20 2.60	7.10 2.60	8.20 4.90	7.30 3.90	7.40 3.30	7.50 3.00	7.30 3.10	7.80 3.70	NR NR	7.40 3.00	6.80 3.00	16
17	7.60 3.60	7.20 2.90	7.00 2.70	8.30 6.00	7.20 3.90	7.50 3.30	7.50 3.20	7.30 3.60	7.80 3.70	7.80 3.30	7.40 2.90	6.80 2.90	17
18	7.40 3.50	6.80 2.80	6.90 2.80	8.30 6.20	7.60 3.80	7.70 3.60	7.20 3.20	7.80 3.90	7.90 3.60	7.80 3.20	7.50 3.20	6.70 3.10	18
19	7.20 3.10	6.70 2.60	7.60 3.30	8.30 6.00	7.60 4.00	7.60 3.10	7.20 3.20	8.10 4.30	8.20 3.70	7.90 3.40	7.30 3.00	6.80 3.30	19
20	7.10 2.90	7.00 2.70	7.00 3.60	8.50 5.90	8.20 4.10	7.20 3.00	7.20 3.30	8.20 4.10	8.20 3.50	8.00 3.50	7.30 3.10	6.80 3.40	20
21	7.00 2.90	6.60 3.20	7.10 3.30	8.90 6.10	8.70 4.00	7.30 3.30	7.30 3.60	8.10 3.80	8.20 3.40	8.00 3.40	7.20 3.20	6.80 3.30	21
22	6.60 3.00	6.20 2.70	8.40 4.30	8.70 5.80	8.40 4.60	7.60 3.40	7.40 3.60	8.50 4.20	8.10 3.40	7.90 3.20	7.10 3.20	7.00 3.10	22
23	6.20 2.80	6.10 2.50	10.10 6.20	8.90 5.60	8.80 4.60	7.30 3.30	7.70 3.70	8.60 4.10	8.30 3.80	7.70 3.20	6.70 3.10	7.20 3.00	23
24	5.90 2.40	6.30 2.80	10.00 7.30	8.30 5.40	8.70 4.60	8.70 3.70	8.00 3.70	8.40 3.90	8.20 3.50	7.70 3.40	6.70 3.10	7.50 3.20	24
25	6.20 2.60	6.60 2.90	10.10 7.30	10.20 5.40	9.00 4.60	7.50 3.70	7.90 3.60	8.50 4.00	7.90 3.30	7.70 3.70	6.90 3.30	7.60 3.40	25
26	6.60 3.10	6.90 2.70	11.00 7.30	10.30 6.40	8.50 5.40	7.50 3.70	8.10 3.60	8.70 4.20	7.50 3.10	7.50 3.70	7.20 3.40	7.40 3.30	26
27	5.30 2.90	7.10 2.70	10.60 7.20	9.70 6.90	8.20 5.00	7.00 3.20	8.00 3.50	8.30 3.90	7.40 3.20	7.30 3.60	7.50 3.40	7.20 3.00	27
28	6.40 2.70	7.50 2.70	10.40 7.70	9.40 6.50	8.20 4.90	7.20 3.10	7.70 3.30	8.00 3.90	7.30 3.30	7.40 3.80	7.90 3.60	7.00 2.80	28
29	5.70 2.80	7.80 2.80	10.30 7.50	8.90 6.30	8.30 4.80	7.40 3.30	7.50 3.30	8.00 4.30	7.60 3.80	7.40 3.70	7.90 3.60	7.00 2.80	29
30	7.00 2.80	7.80 2.80	9.90 7.10	8.50 6.00		7.60 3.60	7.40 3.50	7.80 4.20	7.80 3.80	7.70 3.80	7.80 3.40	7.10 3.20	30
31	7.20 3.20		9.30 6.80	8.40 5.70		7.50 3.70		7.50 4.00		7.70 3.60	7.80 3.30		31
MAXIMUM	7.60 2.40	7.80 2.50	11.00 2.50	10.30 4.90	9.00 3.80	8.00 3.00	8.10 2.80	8.70 3.10	NR 3.10	NR NR	NR 2.70	7.80 2.80	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

** Gage heights shown in this table are rounded off to the nearest tenth of a foot.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R M. O. B. & W.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO	
37 57 23	121 17 30	SW2 LN 6E		11.0	12/26/55		NOV 23-DATE	1977	-3.37	USCGS
								1958	-3.80	USCGS
								1961	-7.33	USCGS

Station located at U. S. Coast Guard Stockton Channel Light Attendant Station on Center Street. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

** TABLE 25
DAILY MAXIMUM AND MINIMUM TIDES

MCLFOO LAKE AT STOCKTON

in feet

STATION NO	WATER YEAR
895700	1957

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	7.20 3.50	7.10 3.10	7.30 2.80	7.10 2.60	6.50 2.60	7.60 3.90	6.90 3.10	7.60 3.00	7.80 3.30	7.70 3.30	7.30 3.30	7.30 3.20	1
2	7.20 3.50	7.00 2.90	7.30 2.80	6.90 2.60	6.30 2.80	7.30 4.00	6.60 2.90	7.80 3.10	7.60 3.30	7.10 3.20	7.50 3.40	7.30 3.10	2
3	7.30 3.50	7.00 2.40	7.40 2.90	7.00 2.60	6.10 2.70	7.00 3.80	6.80 2.80	7.40 2.90	7.30 3.10	7.10 3.00	7.50 3.50	7.30 3.30	3
4	7.40 3.50	7.20 2.70	7.60 3.00	6.60 2.80	6.10 2.70	7.00 3.70	6.90 2.70	7.40 2.80	7.30 3.00	7.30 3.20	7.90 3.60	7.50 3.60	4
5	7.30 3.40	6.90 2.70	7.40 3.10	6.20 2.60	6.00 2.60	7.20 3.70	6.90 2.70	7.30 3.20	7.30 3.40	7.30 3.50	7.90 3.50	7.40 3.50	5
6	7.60 3.20	6.70 2.50	6.80 3.00	6.00 2.50	6.20 2.80	7.30 3.90	7.40 3.30	7.70 3.80	7.40 3.50	7.50 3.30	7.70 3.10	7.20 3.30	6
7	7.30 3.60	6.60 2.40	6.20 2.70	6.20 2.50	6.80 3.00	7.40 3.80	6.60 2.40	7.20 3.20	7.50 3.60	7.60 3.10	7.50 3.00	7.00 3.20	7
8	7.20 2.90	6.20 2.50	5.80 2.30	6.70 2.80	7.00 2.80	7.50 4.10	7.00 3.00	7.10 3.50	7.80 3.70	7.70 3.20	7.50 3.10	7.20 3.60	8
9	7.10 2.90	6.00 2.40	5.60 2.00	5.50 2.90	5.80 2.40	6.60 4.00	6.70 2.90	7.20 3.60	6.10 3.60	6.80 3.10	7.40 3.10	7.40 4.00	9
10	6.80 2.90	6.10 2.50	6.00 2.20	6.70 2.80	7.00 2.50	7.40 3.40	6.70 3.00	7.40 3.60	8.00 3.40	7.80 3.30	7.40 3.20	7.50 4.30	10
11	6.50 3.00	6.30 2.60	6.40 2.70	7.10 3.00	7.10 2.50	7.30 3.30	6.70 3.10	7.60 3.50	8.10 3.30	7.70 3.10	7.10 3.10	7.20 4.00	11
12	6.20 2.80	6.60 3.00	6.70 2.90	7.30 2.80	7.10 2.60	7.80 3.40	6.80 3.10	7.70 3.40	8.00 3.40	7.60 3.20	6.90 3.00	7.20 3.80	12
13	6.20 2.70	6.80 3.20	6.90 2.80	8.30 3.50	7.20 2.60	7.30 3.20	6.80 2.80	7.70 3.30	8.00 3.20	7.50 3.20	6.70 3.10	7.40 3.70	13
14	6.20 2.80	6.60 2.80	7.00 2.60	7.70 3.00	7.20 2.80	7.30 3.40	7.40 3.20	7.90 3.30	7.70 3.10	7.20 3.10	7.00 3.60	7.50 3.80	14
15	6.30 2.80	6.60 2.60	7.20 2.50	7.60 3.00	7.00 3.00	7.70 3.40	7.20 2.80	7.80 3.40	7.40 3.00	6.90 2.90	7.00 3.70	7.40 3.60	15
16	6.60 3.10	6.80 2.60	7.40 2.50	7.30 2.80	7.00 3.00	7.50 3.80	7.30 2.80	7.70 3.20	6.90 2.60	6.80 3.10	6.90 3.50	7.60 2.40	16
17	6.80 3.20	7.00 2.50	7.40 2.60	7.00 3.40	7.00 3.30	7.50 3.60	7.30 2.80	7.60 2.30	6.50 2.50	7.30 3.30	7.00 3.40	7.50 3.50	17
18	7.00 3.10	7.40 2.60	7.30 2.50	6.80 2.50	7.00 3.30	7.60 3.60	7.40 2.90	7.30 3.40	6.70 2.80	7.40 3.90	7.30 3.40	7.50 3.30	18
19	6.90 3.10	7.10 3.00	7.00 2.50	6.30 2.60	7.10 3.30	7.60 3.70	7.00 2.90	7.20 3.30	6.70 3.20	7.40 3.80	7.50 3.30	7.50 3.30	19
20	6.90 2.80	7.10 2.50	6.90 2.40	7.00 2.90	7.10 3.40	7.70 3.70	6.90 2.80	6.90 3.10	7.10 3.70	7.40 3.80	7.50 3.30	7.40 3.40	20
21	7.20 2.70	6.90 2.40	6.70 2.50	6.80 3.20	7.10 3.10	7.30 3.20	6.40 2.70	6.90 3.60	7.20 3.60	7.70 3.80	7.50 3.20	7.50 3.50	21
22	7.50 2.80	6.80 2.40	6.10 2.50	6.70 2.80	7.00 2.80	6.50 2.50	6.30 2.70	7.20 3.70	7.10 3.20	7.80 3.60	7.60 3.10	7.40 3.90	22
23	7.90 3.70	6.50 2.50	6.00 2.20	6.90 2.80	8.10 3.60	6.20 2.50	6.30 2.80	7.30 3.80	7.20 3.00	7.90 3.40	7.50 3.10	7.40 3.80	23
24	7.00 3.00	6.20 2.50	6.20 2.20	7.00 2.80	7.90 3.90	6.10 2.60	6.30 2.90	7.40 4.00	7.60 3.10	7.90 3.30	7.60 3.40	7.60 3.90	24
25	6.80 2.50	6.30 2.40	6.40 2.40	7.00 2.70	7.20 3.20	6.40 2.80	6.50 3.00	7.50 3.60	7.80 3.10	8.00 3.30	7.80 3.70	7.60 3.80	25
26	6.80 2.60	6.50 2.70	6.50 2.40	7.20 2.70	7.30 3.40	6.40 2.90	6.50 3.00	7.40 3.40	8.10 3.30	8.10 3.30	7.60 3.60	7.80 3.60	26
27	6.60 2.80	6.70 2.90	6.70 2.40	7.00 2.60	7.30 3.30	6.30 2.80	6.70 3.00	7.60 3.30	8.30 3.40	8.20 3.50	7.00 3.30	7.70 3.70	27
28	6.60 2.90	7.00 2.90	6.80 2.40	7.00 2.60	7.40 3.50	6.60 3.20	6.90 3.00	8.00 4.00	8.50 3.60	7.90 3.80	7.30 3.30	7.40 3.90	28
29	6.80 3.00	7.10 2.80	7.00 2.50	6.90 2.60	6.70 2.50	6.70 3.30	7.20 3.20	8.30 3.80	8.50 3.70	7.90 3.70	7.40 3.50	7.30 3.20	29
30	7.40 3.20	7.20 2.80	7.30 2.50	6.80 2.70	6.80 2.50	6.70 3.20	7.80 3.60	8.20 3.50	8.10 3.70	7.40 3.60	7.30 3.50	7.20 3.50	30
31	7.10 3.10		7.20 2.70	6.50 2.50		6.60 3.20		7.90 3.20		7.30 3.40	7.30 3.30		31
MAXIMUM	7.90	7.40	7.60	8.30	8.10	7.80	7.80	8.30	8.50	8.20	7.90	7.60	MAXIMUM
MINIMUM	2.50	2.40	2.00	2.50	2.40	2.50	2.40	2.80	2.50	2.90	3.00	3.10	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

** Gage heights shown in this table are rounded off to the nearest tenth of a foot.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M O 88 M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO	
37 57 23	121 17 30	SW 2 1N 6E		11.0	12/26/55		NOV 23-DATE	1933		USCGS
								1958	-3.37	USCGS
								1961	-3.80	USCGS
									-3.93	USCGS

Station located at U. S. Coast Guard Stockton Channel Light Attendant Station on Center Street. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895700	1963

MCLEOD LAKE AT STOCKTON

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.30 13.64	17.42 13.26	17.33 12.97	16.67 13.07	18.89 15.38	17.27 13.33	17.56 13.66	17.21 13.58	17.83 14.33	17.47 13.73	18.06 13.74	18.03 13.63	1
2	17.67 13.71	17.39 13.24	17.14 12.89	16.85 13.02	19.04 15.19	17.69 13.75	16.99 13.28	17.18 13.76	17.86 14.50	17.78 13.66	18.28 13.80	17.88 13.56	2
3	17.54 13.91	17.41 13.14	16.62 13.05	17.11 13.21	19.59 16.17	17.62 13.21	16.78 13.05	17.30 13.93	17.92 14.26	17.91 13.76	18.23 13.56	17.83 13.56	3
4	17.59 13.74	17.14 13.29	16.63 12.83	17.29 13.39	19.62 15.77	17.19 12.88	16.86 13.32	17.45 14.06	17.81 13.86	18.03 13.54	18.21 13.53	18.14 14.34	4
5	17.44 13.58	16.88 13.19	16.68 12.94	17.51 13.44	19.39 16.38	17.10 12.86	17.14 13.61	17.52 14.08	18.12 14.05	18.09 13.57	18.20 13.64	18.04 14.01	5
6	17.39 13.39	16.79 12.90	17.04 13.19	17.69 13.39	19.22 15.29	17.42 13.17	17.23 13.81	17.41 13.96	18.12 13.86	18.15 13.56	18.14 13.59	17.53 13.77	6
7	16.61 13.22	16.81 12.99	17.21 13.46	17.88 14.32	19.12 14.94	17.46 13.23	17.66 14.43	17.62 14.00	18.38 13.86	18.19 13.62	18.01 13.63	17.90 14.30	7
8	17.52 13.19	17.15 13.24	17.45 13.46	18.03 13.32	18.97 14.81	17.56 14.05	17.63 14.38	17.84 13.98	18.59 13.84	18.14 13.31	17.73 13.63	18.05 14.25	8
9	17.34 13.13	17.52 13.59	17.72 14.04	18.27 13.44	18.79 14.67	17.43 13.41	17.83 14.46	17.79 13.59	18.48 13.85	18.03 13.32	17.38 13.48	18.12 14.22	9
10	17.34 13.24	17.56 13.81	17.79 13.37	18.23 13.67	18.79 14.94	17.19 13.48	17.91 14.69	17.64 13.68	18.70 13.99	17.78 13.27	17.54 13.64	17.96 13.74	10
11	17.38 13.37	17.64 13.49	17.95 13.35	17.74 13.70	18.09 14.90	17.00 13.42	17.94 14.51	17.80 13.61	18.23 13.76	17.77 13.63	17.86 14.21	16.84 13.71	11
12	17.81 14.19	17.97 13.33	18.09 13.41	17.22 13.36	17.75 14.49	16.71 13.54	18.02 14.58	17.63 13.47	18.09 13.72	17.69 13.80	17.91 14.04	18.06 13.74	12
13	18.52 14.51	17.94 13.50	17.83 13.41	16.95 12.91	17.64 14.37	16.56 13.26	18.05 14.56	17.58 13.60	17.76 13.86	17.26 14.11	16.52 13.68	17.88 13.71	13
14	18.70 15.21	17.92 13.37	17.75 13.25	16.55 12.95	17.72 14.68	16.81 13.63	18.33 14.99	17.60 13.68	17.83 14.10	17.83 13.57	17.96 13.57	17.97 13.76	14
15	18.88 14.72	17.59 13.37	17.84 13.35	16.49 12.97	17.51 14.69	17.15 13.38	17.78 14.46	17.10 13.44	17.59 13.54	17.96 14.14	18.00 13.36	18.01 14.05	15
16	18.75 15.11	17.15 13.23	17.34 13.67	16.75 13.07	17.62 14.52	16.69 13.71	17.41 14.38	17.00 13.25	17.70 13.93	18.12 13.83	18.28 13.76	18.12 14.02	16
17	18.74 14.65	16.69 12.87	17.22 13.55	16.87 13.31	17.59 14.16	17.13 13.22	17.61 14.63	17.10 13.37	18.04 14.17	18.23 13.76	18.45 13.82	17.84 14.10	17
18	18.49 14.56	16.59 12.79	17.41 13.69	17.04 13.62	17.57 13.88	16.66 12.76	17.58 14.28	17.44 13.81	18.60 14.47	18.27 13.47	18.30 13.78	17.72 14.06	18
19	18.11 14.43	16.36 12.57	17.17 13.62	16.99 13.17	17.61 13.66	16.62 12.67	17.93 14.59	17.77 14.26	18.72 14.15	18.42 13.56	18.11 13.61	17.51 14.12	19
20	17.43 14.11	16.47 12.66	17.19 13.69	17.09 13.04	18.00 13.78	16.71 12.62	17.91 14.66	18.20 14.44	18.77 13.95	18.34 13.52	17.89 13.61	17.62 14.37	20
21	17.11 13.64	16.73 12.97	17.12 13.69	17.44 13.09	17.99 14.92	17.32 13.12	18.21 14.66	18.48 14.28	18.93 13.90	18.19 13.51	17.56 13.57	17.68 14.33	21
22	17.07 13.55	17.06 13.39	17.39 13.64	17.52 14.41	17.98 13.57	17.58 13.14	18.08 14.63	18.46 13.96	18.76 13.88	18.27 13.53	17.55 13.88	17.81 14.41	22
23	17.34 13.74	17.29 13.65	17.61 13.64	17.64 13.12	17.79 13.44	17.50 13.31	18.23 14.63	18.71 14.06	18.51 13.58	18.17 14.57	17.34 13.91	17.53 14.15	23
24	17.29 13.93	17.15 13.84	17.72 14.72	17.85 13.09	17.75 13.44	17.06 13.65	18.58 14.74	18.86 14.01	18.12 13.40	17.65 13.51	17.24 13.88	17.48 13.86	24
25	17.19 13.81	17.19 13.31	17.72 13.49	17.75 13.24	17.63 13.47	16.94 13.15	18.79 14.58	18.81 14.06	17.74 13.23	17.16 13.19	17.34 14.01	17.51 13.78	25
26	17.19 13.69	17.47 13.17	17.79 13.28	17.66 13.16	17.33 13.62	17.07 13.28	18.83 14.52	18.76 14.10	17.49 13.66	17.20 13.30	17.32 13.86	17.79 13.72	26
27	17.03 13.83	17.45 13.45	17.78 13.36	17.44 13.16	17.32 13.64	17.33 13.51	18.43 13.98	18.26 13.94	17.80 13.71	17.80 14.24	17.60 13.73	17.19 13.88	27
28	17.04 13.39	17.52 13.11	17.69 13.31	17.26 13.14	17.27 13.54	18.05 14.01	18.01 13.80	18.17 14.03	18.17 13.48	16.79 14.63	16.45 13.72	17.76 13.87	28
29	17.29 13.31	17.47 13.16	17.44 13.15	16.66 13.19		17.98 13.98	17.62 13.78	17.26 13.66	17.31 13.53	17.86 14.26	17.76 13.67	17.89 13.92	29
30	17.42 13.38	17.42 12.98	17.34 13.12	17.79 13.43		18.01 13.89	17.26 13.68	17.54 13.83	17.28 13.88	17.77 14.01	18.06 13.74	17.89 13.94	30
31	17.42 13.35		17.01 13.14	18.34 14.21		17.88 14.21		17.74 14.17		17.94 13.97	18.02 13.61		31
MAXIMUM	18.88	17.97	18.09	18.34	19.62	18.05	18.83	18.86	18.93	18.42	18.45	18.14	MAXIMUM
MINIMUM	13.13	12.57	12.83	12.91	13.44	12.62	13.05	13.25	13.23	13.19	13.36	13.56	MINIMUM

E - Estimated
NR - No Record

CREST STAGES																				
DATE			TIME			STAGE			DATE			TIME			STAGE					

* In order to machine process the data in this table, it was necessary to avoid negative gage height.
Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
37 57 23	121 17 30	SW 2 1N 6E		11.0	12/26/55		NOV 23-DATE	1933		-7.77	USCGS
								1958		-7.25	USCGS
								1961		-7.23	USCGS

Station located at U. S. Coast Guard Stockton Channel Light Attendant Station on Center Street.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 255
DAILY MAXIMUM AND MINIMUM TIDES

STOCKTON SHIP CHANNEL AT BURNS CUTOFF

STATION NO	WATER YEAR
B95660	1963

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.38 12.78	16.61 12.51	16.46 12.21	15.86 12.28	18.04 14.58	16.41 12.54	16.77 12.84	16.46 12.77	16.95 13.52	16.59 12.87	17.14 12.89	17.11 12.78	1
2	16.75 12.95	16.55 12.46	16.30 12.15	16.00 12.24	18.20 14.40	16.84 12.94	16.22 12.46	16.41 12.99	16.98 13.66	16.86 12.81	17.34 12.97	16.99 12.71	2
3	16.70 13.07	16.58 12.38	15.79 12.27	16.30 12.45	18.72 15.36	16.71 12.36	15.99 12.24	16.56 13.16	17.01 13.39	16.99 12.89	17.31 12.71	16.91 12.71	3
4	16.75 12.93	16.30 12.52	15.80 12.05	16.44 12.62	19.76 15.00	16.32 12.04	16.06 12.56	16.67 13.26	16.91 13.04	17.14 12.74	17.27 12.68	17.24 13.49	4
5	16.64 12.79	16.06 12.42	15.85 12.15	16.64 12.67	19.51 15.58	16.21 12.07	16.32 12.82	16.71 13.24	17.23 13.23	17.16 12.71	17.29 12.77	17.14 13.15	5
6	16.59 12.64	15.96 12.15	16.20 12.42	16.79 12.63	18.31 14.49	16.58 12.39	16.44 12.98	16.63 13.16	17.26 13.03	17.25 12.71	17.28 12.77	16.66 12.94	6
7	16.67 12.43	16.00 12.26	16.38 12.68	16.99 12.58	18.20 14.17	16.59 13.54	16.87 13.64	16.79 13.23	17.52 13.07	17.25 12.76	17.14 12.68	17.06 13.44	7
8	15.91 12.41	16.34 12.51	16.60 12.69	17.14 13.77	18.09 14.05	16.70 12.47	16.84 13.62	17.00 13.19	17.71 13.04	17.22 12.66	16.84 12.80	17.18 13.38	8
9	16.51 12.37	16.69 12.83	16.86 12.26	17.36 12.67	17.92 14.00	16.60 12.62	17.95 13.70	16.91 12.82	17.64 13.14	17.11 12.47	16.47 12.67	17.24 13.36	9
10	16.58 12.54	16.75 12.72	16.93 12.62	17.32 12.90	17.89 14.17	16.32 12.70	17.17 13.89	16.80 12.89	17.84 13.22	16.89 12.46	16.62 12.79	17.13 12.94	10
11	16.66 12.66	16.81 13.05	17.12 12.58	16.82 12.90	17.24 14.12	16.15 12.67	17.14 13.74	16.97 12.85	17.42 12.97	16.84 12.76	16.89 13.34	15.97 12.87	11
12	17.04 13.47	17.14 12.57	17.25 12.65	16.28 12.57	16.84 13.70	15.84 12.78	17.27 13.80	16.80 12.71	17.27 12.97	16.77 12.96	15.79 13.17	17.19 12.88	12
13	17.72 13.82	17.13 12.76	16.95 12.64	15.99 12.16	16.74 13.62	15.72 12.49	17.29 13.79	16.72 12.82	16.92 13.12	16.34 13.23	16.97 12.81	17.04 12.84	13
14	17.88 14.41	17.11 12.64	16.90 12.47	15.65 12.18	16.85 13.89	16.01 12.83	17.59 14.21	16.74 12.86	16.99 12.86	16.92 13.24	17.01 12.69	17.11 12.89	14
15	18.05 13.97	16.77 12.64	17.00 12.62	15.64 12.17	16.66 13.91	16.30 12.62	17.04 13.69	16.24 12.64	16.74 12.74	17.05 13.29	17.09 12.49	17.12 13.18	15
16	17.92 14.33	16.32 12.45	16.48 12.89	15.87 12.27	16.75 13.75	15.92 12.94	16.67 13.64	16.18 12.46	16.86 13.12	17.20 12.97	17.33 12.87	17.24 13.19	16
17	17.87 13.87	15.83 12.07	16.41 12.76	16.00 12.52	16.74 13.59	16.30 12.47	16.84 13.82	16.20 12.61	17.21 13.34	17.30 12.88	17.51 12.97	16.96 13.21	17
18	17.67 13.76	15.76 12.01	16.58 12.91	16.18 12.80	16.72 13.10	15.86 11.98	16.82 13.50	16.61 13.07	17.69 13.64	17.32 12.64	17.32 12.87	16.84 13.22	18
19	17.34 13.66	15.52 11.82	16.34 12.83	16.09 12.40	16.75 12.89	15.84 11.87	17.12 13.81	16.90 13.47	17.84 13.31	17.47 12.69	17.16 12.79	16.63 13.27	19
20	16.63 13.32	15.66 11.84	16.30 12.90	16.22 12.22	17.16 13.03	15.88 11.89	17.09 13.81	17.32 13.71	17.85 13.15	17.46 12.69	16.92 12.72	16.77 13.53	20
21	16.29 12.82	15.89 12.82	16.30 12.91	16.52 12.36	17.11 14.15	16.55 12.37	17.42 13.86	17.62 13.51	18.06 13.09	17.29 12.68	16.61 12.69	16.81 13.47	21
22	16.24 12.76	16.23 12.60	16.57 12.89	16.69 12.29	17.10 12.76	16.81 12.42	17.27 13.81	17.57 13.17	17.83 13.07	17.38 12.73	16.57 12.99	16.91 13.54	22
23	16.54 12.94	16.45 12.89	16.76 12.90	16.71 13.63	16.96 12.69	16.70 12.58	17.43 13.86	17.80 13.26	17.64 12.79	17.04 12.77	16.37 13.03	16.64 13.29	23
24	16.48 13.14	16.34 12.49	16.88 13.94	16.92 12.30	16.87 12.66	16.24 12.91	17.78 13.99	17.98 13.29	17.26 12.61	16.74 12.69	16.34 12.99	16.59 12.97	24
25	16.39 13.02	16.33 13.05	16.88 12.73	16.87 12.40	16.75 12.69	16.14 12.37	18.01 13.79	17.93 13.29	16.84 12.40	16.24 12.42	16.37 13.14	16.64 12.89	25
26	16.34 12.87	16.64 12.37	17.00 12.55	16.79 12.40	16.45 12.85	16.22 12.50	18.05 13.77	17.85 13.29	16.59 12.82	16.27 12.45	16.43 12.96	16.91 12.82	26
27	16.19 13.01	16.60 12.69	16.95 12.60	16.59 12.40	16.44 12.81	16.52 12.74	17.65 13.24	17.38 13.12	16.39 12.83	15.89 13.37	16.64 12.81	16.29 13.01	27
28	16.19 12.64	16.66 12.32	16.81 12.52	16.39 12.40	16.51 12.78	17.22 13.24	17.21 12.99	17.27 13.24	16.47 12.67	16.86 13.74	15.47 12.79	16.87 12.99	28
29	16.52 12.57	16.61 12.34	16.57 12.37	15.82 12.44	16.52 12.44	17.19 13.22	16.84 12.98	16.77 12.86	16.42 12.74	16.93 13.39	16.81 12.79	17.04 13.05	29
30	16.61 12.61	16.61 12.22	16.50 12.32	16.99 12.69	17.24 13.48	16.51 13.09	16.51 12.87	16.66 13.01	16.39 13.05	16.87 13.15	17.07 12.87	16.99 13.07	30
31	16.62 12.59		16.16 12.36	17.49 13.48		17.14 13.44		16.85 13.57		17.04 13.14	17.11 12.73		31
MAXIMUM	18.05	17.14	17.25	17.49	18.76	17.24	18.05	17.98	18.06	17.47	17.51	17.24	MAXIMUM
MINIMUM	12.37	11.82	12.05	12.16	12.66	11.87	12.24	12.46	12.40	12.42	12.49	12.71	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 57 30	21 41 54	SW 6 1N 6E				MAY 40-DATE		1940	1943	-4.22	USCGS
								1943	1945	-4.39	USCGS
								1945	1946	-4.70	USCGS
								1946	1951	-3.00	USCGS
								1951		-3.02	USCGS

Station located on north end of Rough and Ready Island, approx. 0.4 mi. above Burns Cutoff. Station affected by tides at low. Maximum gage height listed does not indicate maximum discharge.

* TABLE 256
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
B95620	1963

SAN JOAQUIN RIVER AT RINOGE PUMP in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.32 9.77	13.46 9.49	13.43 9.20	12.74 9.29	14.90 11.53	13.28 9.59	13.64 9.91	13.31 9.81	13.83 10.51	13.50 9.92	14.07 9.97	14.01 9.82	1
2	13.67 9.98	13.42 9.51	13.22 9.16	12.88 9.24	15.09 11.39	13.66 10.01	13.09 9.52	13.28 10.04	13.86 10.66	13.76 9.86	14.29 10.03	13.92 9.79	2
3	13.56 10.08	13.46 9.40	12.72 9.27	13.17 9.44	15.61 12.31	13.56 9.46	12.86 9.31	13.45 10.18	13.92 10.38	13.88 9.87	14.22 9.77	13.86 9.78	3
4	13.62 9.95	13.20 9.53	12.72 9.04	13.41 9.71	15.66 11.99	13.18 9.13	12.93 9.62	13.53 10.31	13.81 10.04	14.06 9.79	14.19 9.77	14.15 10.52	4
5	13.49 9.77	12.95 9.44	12.77 9.15	13.65 9.72	15.42 11.50	13.11 9.12	13.21 9.89	13.58 10.28	14.11 10.23	14.09 9.73	14.22 9.79	13.98 10.14	5
6	13.44 9.58	12.91 9.21	13.09 9.41	13.76 9.70	15.23 12.38	13.42 9.42	13.28 10.09	13.46 10.19	14.13 10.03	14.18 9.77	14.14 9.79	13.48 9.96	6
7	12.62 9.40	12.91 9.27	13.29 9.69	13.85 9.60	15.13 11.15	13.48 9.53	13.71 10.68	13.67 10.23	14.41 10.11	14.21 9.81	14.06 9.85	13.91 10.44	7
8	13.49 9.37	13.22 9.54	13.49 9.69	14.05 10.77	15.02 11.06	13.56 10.33	13.71 10.65	13.84 10.18	14.60 10.06	14.16 9.54	13.81 9.84	14.04 10.39	8
9	13.33 9.35	13.61 9.89	13.74 10.27	14.24 9.68	14.82 10.91	13.46 9.68	13.91 10.73	13.81 9.83	14.52 10.20	14.02 9.53	13.39 9.72	14.08 10.37	9
10	13.40 9.51	13.67 9.72	13.81 9.60	14.21 9.93	14.82 11.19	13.22 9.76	14.01 10.93	13.69 9.86	14.74 10.25	13.79 9.52	13.56 9.88	13.96 9.94	10
11	13.41 9.66	13.74 10.11	13.96 9.57	13.73 9.92	14.16 11.12	13.05 9.74	14.01 10.76	13.82 9.86	14.31 10.03	13.74 9.76	13.84 10.37	12.81 9.89	11
12	13.92 10.48	14.08 9.57	14.07 9.66	13.20 9.60	13.77 10.72	12.76 9.83	14.11 10.80	13.67 9.67	14.18 10.01	13.69 9.97	12.71 10.19	14.07 9.84	12
13	14.55 10.91	14.06 9.81	13.83 9.65	12.91 9.15	13.67 10.64	12.65 9.54	14.13 10.76	13.84 9.78	13.84 10.12	13.26 10.26	13.89 9.89	13.86 9.83	13
14	14.67 11.36	14.04 9.69	13.71 9.49	12.56 9.19	13.76 10.85	12.91 9.90	14.37 11.23	13.60 9.82	13.86 9.83	13.82 10.29	13.94 9.71	13.94 9.86	14
15	14.81 10.91	13.71 9.70	13.89 9.61	12.52 9.19	13.58 10.87	13.22 9.67	13.88 10.68	13.18 9.63	13.61 9.78	13.98 10.32	14.02 9.56	13.96 10.16	15
16	14.71 11.27	13.29 9.49	13.38 9.38	12.78 9.29	13.71 10.73	12.90 9.99	13.52 10.61	13.06 9.44	13.76 10.19	14.12 10.04	14.26 9.93	14.05 10.16	16
17	14.71 10.79	12.81 9.14	13.29 9.76	12.90 9.54	13.65 10.36	13.24 9.52	13.68 10.81	13.15 9.61	14.07 10.40	14.25 9.93	14.47 10.02	13.77 10.19	17
18	14.52 10.71	12.74 9.07	13.47 9.86	13.10 9.84	13.63 10.08	12.77 9.04	13.66 10.51	13.48 10.06	14.60 10.70	14.25 9.72	14.24 9.94	13.68 10.21	18
19	14.15 10.64	12.47 8.82	13.24 9.24	13.03 9.44	13.66 9.87	12.72 8.99	13.98 10.81	13.78 10.48	14.74 10.36	14.39 9.79	14.12 9.83	13.46 10.20	19
20	13.44 10.28	12.62 8.86	13.18 9.89	13.23 9.28	14.00 10.02	12.77 8.94	13.98 10.89	14.21 10.68	14.75 10.19	14.37 9.77	13.89 9.77	13.59 10.49	20
21	13.14 9.80	12.83 9.27	13.19 9.89	13.45 9.37	13.95 9.81	13.41 9.44	14.26 10.91	14.46 10.51	14.93 10.14	14.29 9.74	13.52 9.78	13.61 10.42	21
22	13.10 9.74	13.16 9.68	13.44 9.84	13.53 9.33	13.98 10.91	13.63 9.55	14.11 10.81	14.43 10.21	14.76 10.13	14.31 9.76	13.49 10.08	13.72 10.50	22
23	13.36 9.94	13.41 9.96	13.62 9.81	13.62 10.64	13.79 9.69	13.57 9.64	14.25 10.83	14.68 10.28	14.52 9.83	13.97 9.79	13.36 10.12	13.43 10.24	23
24	13.31 10.12	13.27 9.52	13.71 10.92	13.83 9.32	13.74 9.71	13.09 9.95	14.58 10.96	14.85 10.31	14.15 9.62	13.69 9.74	13.29 10.05	13.42 9.94	24
25	13.19 10.01	13.27 10.13	13.77 9.72	13.78 9.44	13.59 9.74	13.02 9.44	14.82 10.81	14.81 10.33	13.76 9.45	13.19 9.46	13.39 10.15	13.49 9.84	25
26	13.19 10.01	13.52 9.39	13.85 9.54	13.67 9.44	13.31 9.86	13.12 9.62	14.85 10.73	14.70 10.30	13.53 9.86	13.24 9.52	13.39 10.04	13.75 9.76	26
27	13.06 9.94	13.51 9.70	13.78 9.59	13.48 9.45	13.31 9.84	13.42 9.82	14.48 10.23	14.26 10.11	13.38 9.86	12.82 10.41	13.62 9.88	13.09 9.94	27
28	13.05 9.64	13.57 9.34	13.70 9.53	13.28 9.46	13.27 9.77	14.12 10.27	14.07 10.04	14.18 10.26	12.73 9.72	13.80 10.77	12.43 9.88	13.74 9.98	28
29	13.36 9.58	13.54 9.37	13.47 9.41	12.82 9.48	14.03 9.48	14.03 10.25	13.69 10.01	13.29 9.83	13.36 9.74	13.88 10.46	13.79 9.87	13.87 9.97	29
30	13.44 9.61	13.51 9.22	13.39 9.34	13.91 9.74	14.07 10.58	13.95 10.42	14.07 9.91	13.56 10.01	13.31 10.08	13.84 10.22	14.09 9.91	13.82 10.02	30
31	13.47 9.62		13.04 9.39	14.40 10.58				13.76 10.34		13.98 10.21	14.04 9.78		31
MAXIMUM	14.81 9.35	14.08 8.82	14.07 9.04	14.40 9.15	15.66 9.69	14.12 8.94	14.85 9.31	14.85 9.44	14.93 9.45	14.39 9.46	14.47 9.56	14.15 9.76	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R. M OBBM	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 59 51	121 25 06	NW27 2N 5E		7.1	12,26/55E		JUL 79-DATE	19 30	1943		USED USCGS USED

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 1 mi. NW of Stockton. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 257
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895580	1963

SAN JOAQUIN RIVER AT VENICE ISLAND

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR NR	16.97 13.24	16.92 13.03	16.26 13.08	18.32 15.13	16.72 13.28	17.14 13.55	16.82 13.45	17.27 14.18	16.97 13.65	17.53 13.64	17.41 13.43	1
2	NR NR	16.92 13.24	16.74 12.92	16.38 13.01	18.52 15.02	17.15 13.65	16.59 13.18	16.72 13.70	17.33 14.31	17.22 13.56	17.73 13.73	17.30 13.42	2
3	17.04 13.81	16.96 13.14	16.22 13.06	16.66 13.21	19.08 15.93	17.02 13.12	16.36 12.94	16.85 13.88	17.33 13.94	17.34 13.60	17.71 13.46	17.23 13.41	3
4	17.11 13.69	16.73 13.26	16.18 12.82	16.83 13.40	19.12 15.59	16.88 12.82	16.37 13.27	16.98 14.00	17.25 13.70	17.21 13.41	17.65 13.43	17.54 14.19	4
5	16.99 13.49	16.41 13.16	16.25 12.91	17.06 13.46	18.86 15.14	16.60 12.80	16.68 13.56	17.02 13.94	17.57 13.86	17.54 13.38	17.66 13.49	17.46 13.89	5
6	16.98 13.34	16.32 12.91	16.56 13.18	17.21 13.40	18.66 15.99	16.90 13.10	16.75 13.73	16.92 13.87	17.61 13.61	17.62 13.42	17.63 13.48	16.94 13.69	6
7	17.02 13.16	NR NR	16.74 13.43	17.30 13.33	18.54 14.81	16.95 13.23	17.15 14.30	17.11 13.90	17.85 13.78	17.66 13.44	17.46 13.58	17.34 14.19	7
8	16.19 13.15	NR NR	16.98 13.46	17.51 14.46	18.42 14.77	16.96 13.38	17.15 14.38	17.29 13.83	18.04 13.74	17.65 13.18	17.23 13.49	17.49 14.11	8
9	16.84 13.09	NR NR	17.21 13.38	17.70 13.42	18.28 14.61	16.93 14.02	17.36 14.36	17.24 13.54	17.96 13.81	17.48 13.21	16.86 13.39	17.55 14.10	9
10	16.88 13.33	NR NR	17.31 14.21	17.72 13.67	18.26 14.88	16.68 13.48	17.49 14.61	17.14 13.56	18.17 13.84	17.26 13.19	17.01 13.53	17.46 13.66	10
11	16.91 13.49	NR NR	17.45 13.34	17.25 13.64	17.56 14.77	16.55 13.40	17.46 14.36	17.29 13.50	17.76 13.65	17.19 13.43	17.27 14.02	16.32 13.62	11
12	17.60 14.36	NR NR	17.61 13.43	16.70 13.27	17.21 14.38	16.23 13.48	17.58 14.45	17.17 13.32	17.59 13.69	17.08 13.63	17.33 13.88	17.54 13.59	12
13	18.07 14.73	NR NR	17.34 13.43	16.40 12.86	17.10 14.28	16.10 13.21	17.58 14.39	17.12 13.40	17.28 13.74	17.22 13.87	15.94 13.56	17.32 13.59	13
14	18.15 15.14	NR NR	17.26 13.26	16.10 12.90	17.20 14.51	16.40 13.58	17.85 14.85	17.08 13.41	16.69 13.43	16.37 13.94	17.38 13.34	17.42 13.64	14
15	18.24 14.68	NR NR	17.45 13.34	15.95 12.90	17.03 14.51	16.69 13.34	17.38 14.23	16.66 13.47	17.03 13.47	17.36 13.99	17.46 13.28	17.49 13.89	15
16	18.19 15.01	NR NR	16.92 13.66	16.22 13.00	17.12 14.36	16.54 13.67	16.99 14.21	16.51 13.08	17.16 13.86	17.54 13.70	17.68 13.62	17.52 13.91	16
17	18.19 14.55	NR NR	16.80 13.53	16.33 13.20	17.11 13.96	16.72 13.17	17.16 14.43	16.53 13.26	17.46 14.04	17.63 13.58	17.87 13.71	17.29 13.94	17
18	18.01 14.47	NR NR	16.94 13.63	16.52 13.52	17.09 13.72	16.24 12.68	17.13 14.15	16.91 13.71	17.99 14.31	17.63 13.36	17.68 13.62	17.19 14.01	18
19	17.66 14.38	NR NR	16.71 13.56	16.46 13.08	17.13 13.53	16.21 12.61	17.46 14.48	17.21 14.17	18.17 14.04	17.81 13.44	17.49 13.52	16.92 13.97	19
20	16.94 14.34	NR NR	16.68 13.61	16.54 12.98	17.42 13.66	16.29 12.63	17.46 14.49	17.66 14.36	18.16 13.87	17.77 13.46	17.27 13.44	17.08 14.21	20
21	16.63 13.56	NR NR	16.68 13.65	16.88 13.06	17.41 13.46	16.89 13.13	17.73 14.54	17.91 14.18	18.35 13.81	17.66 13.41	16.92 13.40	17.11 14.19	21
22	16.61 13.49	16.57 13.38	16.93 13.63	17.04 13.10	17.40 14.52	17.06 13.34	17.59 14.49	17.86 13.76	18.18 13.76	17.76 13.46	16.84 13.69	17.23 14.22	22
23	16.81 13.67	16.82 13.64	17.14 13.63	17.09 14.26	17.25 13.41	17.04 13.34	17.71 14.51	18.08 13.94	17.95 13.51	17.42 13.46	16.68 13.68	16.91 13.97	23
24	16.77 13.82	16.67 13.26	17.25 13.51	17.31 13.00	17.21 13.40	16.57 13.13	18.02 14.59	18.26 13.90	17.55 13.30	17.16 13.39	16.63 13.64	16.91 13.64	24
25	16.69 13.77	16.70 13.15	17.28 14.68	17.29 13.20	17.05 13.45	16.47 13.47	18.30 14.53	18.23 13.90	17.20 13.16	16.62 13.11	16.70 13.71	16.95 13.54	25
26	16.69 13.67	16.99 14.06	17.37 13.31	17.13 13.15	16.78 13.57	16.59 13.30	18.35 14.43	18.13 13.92	16.98 13.50	16.69 13.21	16.74 13.61	17.24 13.48	26
27	16.53 13.76	16.97 13.42	17.32 13.37	16.95 13.15	16.76 13.52	16.87 13.52	17.99 13.90	17.71 13.72	16.86 13.51	17.30 14.03	16.97 13.47	16.57 13.70	27
28	16.54 13.37	17.04 13.11	17.22 13.31	16.74 13.20	16.76 13.49	17.61 13.95	17.58 13.71	17.63 13.86	16.17 13.39	17.36 14.43	17.16 13.44	17.24 13.69	28
29	16.84 13.31	16.99 13.09	17.01 13.17	16.38 13.17	17.52 13.94	17.52 13.94	17.20 13.67	16.78 13.46	16.82 13.38	15.96 14.11	16.21 13.47	17.34 13.72	29
30	16.95 13.34	16.96 12.99	16.91 13.12	17.46 13.49	17.57 14.42	17.57 13.79	16.89 13.60	16.76 13.66	16.76 13.76	17.31 13.88	17.38 13.51	17.33 13.77	30
31	16.97 13.32		16.58 13.18	17.86 14.42		17.44 14.06		17.23 14.01		17.48 13.86	17.41 13.42		31
MAXIMUM	18.24 13.09	17.49A 12.44A	17.61 12.82	17.86 12.86	19.12 13.40	17.61 12.61	18.35 12.94	18.26 13.08	18.35 13.16	17.81 13.11	17.87 13.28	17.55 13.41	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.
A Occurred during period of clock stoppage.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R M.O.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 03 01	121 29 45	NE 2 2N 4E		10.7	12/26/55		OCT 27-DATE	1927	1959	-3.45 -4.00	USCGS USCGS

Station located on Little Connection Slough on Empire Island, 0.7 mi. S of Venice Island Ferry. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

*TABLE 258
DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT MOWRY BRIDGE

(in feet)

STATION NO.	WATER YEAR
895540	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.91 13.15	16.37 13.20	16.28 13.15	15.67 13.23	17.61 14.59	16.29 13.98	17.19 15.34	16.81 15.26	18.25 17.06	16.22 13.29	16.40 12.78E	16.50 13.17	1
2	16.29 13.27	16.34 13.21	16.09 13.09	15.78 13.10	17.80 14.37	16.72 14.04	16.68 15.70	16.76 15.58	18.20 16.97	16.52 13.17	16.60 12.92	16.37 13.12	2
3	16.19 13.36	16.39 13.13	15.60 13.09	16.02 13.12	18.72 16.02	16.71 14.32	16.15 14.76	16.68 14.99	18.08 16.66	16.56 13.22	16.59 12.70E	16.25 13.02	3
4	16.32 13.23	15.70 13.16	15.48 12.89	16.22 13.19	19.20 16.56	16.20 13.74	16.10 14.20	16.65 14.68	17.81 16.31	16.66 13.19	16.49 12.84E	16.55 13.58	4
5	15.32 13.13	16.13 13.09	15.52 12.88	16.42 13.40	19.09 17.15	16.01 13.34	16.24 14.18	16.73 14.86	17.85 15.98	16.67 13.04	16.53 12.74E	16.44 13.32	5
6	16.23 13.03	15.69 12.97	15.87 13.03	16.57 13.45	18.92 16.94	16.25 13.16	16.23 14.18	16.67 14.86	17.61 15.31	16.75 13.14	16.41 12.80E	15.99 13.16	6
7	16.21 12.98	15.59 12.98	16.03 13.21	16.63 13.38	18.75 16.79	16.29 13.31	16.55 14.03	16.81 14.86	17.51 14.77	16.79 13.20	16.27 12.87	16.40 13.50	7
8	16.20 12.97	15.88 13.12	16.29 13.34	16.76 13.29	18.32 16.54	16.26 13.34	16.74 14.35	16.99 14.90	17.54 14.42	16.74 13.11	15.98 12.77E	16.55 13.56	8
9	16.03 12.97	16.26 13.31	16.50 13.42	16.99 13.37	18.01 15.76	16.21 13.27	17.11 15.19	16.98 14.81	17.46 14.64	16.66 13.14	15.65 12.80E	15.70 13.50	9
10	16.00 13.07	16.31 13.46	16.60 13.43	17.01 13.59	18.09 15.77	15.91 13.36	17.50 15.84	16.92 14.96	17.74 14.74	16.39 13.04	15.59 13.01	16.61 13.23	10
11	16.02 13.18	16.38 13.35	16.68 13.36	16.59 13.66	17.69 15.80	15.79 13.24	17.61 15.89	17.20 15.26	17.34 14.69	16.35 13.24	15.85 13.24	16.51 13.10	11
12	16.53 13.70	16.74 13.28	16.87 13.39	16.02 13.37	17.49 16.04	15.49 13.23	17.77 16.29	17.33 15.95	17.29 15.03	16.24 13.14	16.19 13.15	16.60 13.08	12
13	17.24 14.13	16.74 13.40	16.62 13.46	15.74 13.09	17.39 15.99	15.29 12.99	18.22 16.94	17.81 16.56	17.14 14.94	16.24 13.29	16.25 12.69E	16.49 13.12	13
14	17.43 14.56	16.75 13.30	16.48 13.29	15.36 13.02	17.39 15.83	15.55 13.17	18.45 16.65	17.89 16.43	16.90 13.86	16.37 13.35	16.25 12.73E	16.55 13.24	14
15	17.62 14.30	16.84 13.27	16.73 13.10	15.26 12.96	17.71 16.28	15.87 13.05	17.50 15.50	17.37 15.66	16.46 13.42	16.44 13.37	16.30 12.67E	16.57 13.48	15
16	17.55 14.56	16.07 13.13	16.29 13.42	15.52 12.89	17.82 16.46	15.47 13.12	17.22 15.95	16.82 14.88	16.52 14.06	16.58 13.11	16.52 12.87	16.64 13.48	16
17	17.50 14.24	15.63 12.94	16.08 13.29	15.67 12.97	17.58 16.34	16.00 13.00	17.68 16.32	16.46 14.52	16.92 14.34	16.65 13.07	16.71 12.92	16.43 13.56	17
18	17.30 14.08	15.67 12.84	16.23 13.21	15.84 13.06	17.35 15.91	15.62 12.82	17.54 16.61	16.58 15.04	17.43 14.50	16.67 12.99	16.52 12.91	16.38 13.55	18
19	16.65 13.95	15.15 12.77	16.03 13.08	15.79 13.42	17.29 15.64	15.60 13.75	17.38 15.67	16.78 14.44	17.55 14.48	16.79 13.09	16.35 12.97	16.15 13.52	19
20	16.99 13.64	15.22 12.76	16.01 13.23	15.86 13.01	17.59 15.47	15.59 12.80	17.38 15.54	17.28 14.87	17.59 14.61	16.74 13.07	16.12 12.93	16.33 13.71	20
21	16.27 13.27	15.48 12.86	16.11 13.32	16.17 12.94	17.42 15.52	16.13 12.84	17.61 15.66	17.75 15.71	17.85 15.06	16.59 13.02	15.86 12.71E	16.38 13.69	21
22	15.97 13.20	15.84 13.07	16.37 13.50	16.25 13.02	17.29 15.14	16.12 13.04	17.71 16.06	17.83 15.86	17.83 15.47	16.66 12.97	15.85 13.02	16.53 13.74	22
23	16.11 13.30	16.10 13.24	16.62 13.61	16.28 13.04	17.02 14.89	16.17 13.12	17.96 16.36	18.13 16.19	17.77 15.29	16.29 12.79E	15.69 13.09	16.25 13.56	23
24	16.08 13.44	15.94 13.31	16.79 13.72	16.52 13.04	16.89 14.74	15.73 13.20	18.22 16.53	18.41 16.38	17.24 14.34	16.41 12.78E	15.97 13.05	16.26 13.29	24
25	15.97 13.36	15.97 13.12	16.74 13.62	16.43 13.17	16.67 14.63	15.66 13.04	18.38 16.36	18.45 16.59	16.61 13.72	15.42 12.54E	14.97 13.12	15.35 13.16	25
26	15.95 13.37	16.26 13.10	16.78 13.50	16.31 13.12	16.39 14.49	15.76 13.21	18.36 16.23	18.60 16.85	16.22 13.34	15.22 12.73E	15.72 13.04	16.30 13.11	26
27	15.83 13.35	16.27 13.28	16.73 13.45	16.09 13.12	16.49 14.37	16.04 13.29	18.07 16.02	18.42 16.88	16.27 13.14	15.43 13.17	15.86 12.76E	16.56 13.26	27
28	15.83 13.18	16.37 13.10	16.66 13.38	15.97 13.11	16.31 14.17	16.72 13.74	17.76 15.89	18.31 16.77	16.04 12.90E	16.11 13.48	16.10 12.77E	16.49 13.26	28
29	16.17 13.18	16.33 13.19	16.39 13.35	15.43 13.09	16.49 13.09	16.79 13.84	17.32 15.38	17.91 16.48	15.95 12.69E	16.23 13.08	16.24 12.87	16.56 13.32	29
30	16.25 13.25	16.37 13.10	16.35 13.27	16.51 12.99	17.17 14.76	17.17 14.76	16.91 15.18	17.79 15.18	15.92 13.22	16.16 12.96	16.45 12.87	16.56 13.41	30
31	16.31 13.25		16.04 13.02	16.62 13.84	17.34 15.42	17.34 15.42		18.10 17.06		16.35 13.03	16.47 13.07		31
MAXIMUM	17.62 12.97	16.75 12.76	16.87 12.88	17.01 12.89	19.20 14.17	17.34 12.80	18.45 14.03	18.60 14.44	18.25 12.69E	16.79 12.54E	16.71 12.67E	16.64 13.02	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage height. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T.B.R. MOB&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
37 50 04	121 22 59	NE24 1S 5E						JUL 48-DATE	1947	1952	-1.7	USCGS USCGS
									1947		-1.7	

Station located at Undine Road crossing on Upper Roberts Island. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge.

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BORDEN HIGHWAY

in feet

STATION NO	WATER YEAR
B95500	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.04 9.98	13.40 9.82	13.29 9.52	12.67 9.59	14.76 11.60	13.20 9.82	13.77 10.20	13.25 10.03	13.89 10.67	13.34 9.96	13.82 10.02	13.75 9.92	1
2	13.45 10.13	13.39 9.81	13.13 9.45	12.76 9.52	14.79 11.41	13.65 10.16	13.22 9.79	13.23 10.20	13.91 10.84	13.64 9.90	14.06 10.11	13.63 9.86	2
3	13.47 10.23	13.45 9.68	12.67 9.54	13.06 9.69	15.49 12.42	13.65 9.73	12.92 9.57	13.33 10.33	13.96 10.63	13.66 9.91	14.04 9.86	13.54 9.88	3
4	13.54 10.21	13.29 9.79	12.59 9.34	13.22 9.89	15.61 12.83	13.24 9.34	12.97 9.85	13.41 10.48	13.84 10.23	13.81 9.82	13.95 9.85	13.85 10.64	4
5	13.46 10.08	12.89 9.89	12.64 9.39	13.36 9.36	15.40 12.18	13.09 9.34	13.22 10.69	13.47 10.43	14.14 10.40	13.86 9.86	13.97 9.92	13.76 10.36	5
6	13.46 9.86	12.81 9.87	12.97 9.69	13.68 10.01	15.21 11.76	13.37 9.65	13.27 10.15	13.38 10.36	14.14 10.19	13.98 9.89	13.87 9.91	13.31 10.19	6
7	12.61 9.71	12.71 9.56	13.09 9.92	13.73 10.80	15.13 11.45	13.41 10.72	13.59 10.29	13.59 10.40	14.38 10.29	14.00 9.88	13.75 10.01	13.73 10.60	7
8	13.43 9.71	13.01 9.82	13.34 10.14	13.85 9.86	14.96 11.38	13.39 9.74	13.63 10.79	13.76 10.42	14.53 10.24	13.96 9.66	13.44 9.94	13.84 10.59	8
9	13.26 9.66	13.34 10.16	13.59 9.97	14.10 9.98	14.79 11.21	13.32 9.88	13.86 11.01	13.73 10.08	14.46 10.35	13.78 9.68	13.12 9.83	13.89 10.52	9
10	13.30 9.82	13.40 10.34	13.65 9.96	14.05 10.25	14.82 11.47	13.09 9.99	14.07 11.19	13.65 10.01	14.73 10.39	13.63 9.62	13.24 9.95	12.57 10.15	10
11	13.22 10.01	13.49 10.05	13.79 9.87	13.63 10.28	14.21 11.41	12.97 9.91	14.12 11.04	13.80 10.11	14.29 10.21	13.51 9.90	12.74 10.43	12.82 10.07	11
12	13.77 10.77	13.83 9.94	13.94 9.97	13.08 9.92	13.80 11.01	12.69 9.99	14.23 11.13	13.68 9.68	14.19 10.21	13.40 10.03	13.54 10.25	13.86 10.08	12
13	14.29 11.14	13.83 10.13	13.71 9.95	12.81 9.43	13.74 10.89	12.53 9.59	14.30 11.13	13.71 10.08	13.86 10.28	13.40 10.23	13.63 9.93	13.74 10.09	13
14	14.51 11.61	13.86 9.99	13.62 9.78	12.46 9.41	13.83 11.05	12.79 9.98	14.57 11.49	13.69 10.09	13.81 9.91	13.54 10.31	13.65 9.81	13.83 10.14	14
15	14.65 11.16	13.53 9.94	13.84 9.89	12.36 9.40	13.68 11.06	13.14 9.82	14.09 10.84	13.28 9.83	13.51 9.88	13.72 10.37	13.77 9.66	13.84 10.39	15
16	14.61 11.58	13.17 9.76	13.34 10.15	12.61 9.42	13.77 10.96	12.77 10.19	13.69 10.79	13.10 9.67	13.57 10.27	13.86 10.06	13.95 10.00	13.89 10.42	16
17	14.62 11.14	12.65 9.65	13.18 9.99	12.74 9.66	13.75 10.59	13.25 9.71	13.84 11.04	13.05 9.83	13.89 10.49	13.90 9.98	14.19 10.16	13.64 10.48	17
18	14.41 11.01	NR NR	13.29 10.07	12.92 9.91	13.68 10.28	12.82 9.22	13.79 10.75	13.36 10.25	14.44 10.79	13.98 9.79	14.00 10.06	13.55 10.48	18
19	14.16 10.91	NR NR	13.09 9.97	12.92 9.59	13.74 10.11	12.76 9.14	14.09 11.09	13.61 10.68	14.59 10.51	14.11 9.86	13.80 9.98	13.30 10.49	19
20	13.43 10.61	NR NR	13.07 10.04	12.96 9.42	14.04 11.48	12.79 9.15	14.06 11.14	14.06 10.89	14.59 10.32	14.04 9.81	13.58 9.89	13.46 10.72	20
21	13.43 10.14	NR NR	13.13 10.11	NR NR	14.02 10.23	13.29 9.62	14.23 11.72	14.34 10.73	14.81 10.33	13.91 9.83	13.29 9.89	13.56 10.66	21
22	13.07 10.04	12.94 9.81	13.37 10.12	NR NR	13.98 10.14	13.34 9.74	14.12 11.16	14.28 10.44	14.63 10.24	13.97 9.86	13.30 10.17	13.67 10.70	22
23	13.22 10.19	13.17 10.09	13.57 10.83	NR NR	13.75 10.09	13.39 10.76	14.23 11.09	14.53 10.54	14.43 10.15	13.71 9.81	13.09 10.18	13.35 10.48	23
24	13.16 10.36	13.01 10.24	13.73 10.16	NR NR	13.66 10.04	12.94 9.84	14.55 11.29	14.76 10.58	14.14 9.84	13.36 9.80	13.07 10.16	13.38 10.10	24
25	13.06 10.28	13.07 9.76	13.69 10.04	NR NR	13.48 10.06	12.82 9.62	14.79 11.23	14.73 10.57	13.69 9.62	12.90 9.47	13.08 10.24	13.48 9.99	25
26	13.03 10.25	13.31 9.67	13.80 9.87	13.46 9.66	13.25 10.16	12.94 9.74	14.84 11.12	14.65 10.57	13.38 9.86	12.55 9.57	13.20 10.08	12.64 9.96	26
27	12.90 10.16	13.31 9.92	13.71 9.90	13.21 9.65	13.29 10.14	13.21 9.99	14.56 10.62	14.29 10.36	13.39 9.83	12.85 10.36	12.13 9.96	13.76 10.19	27
28	12.91 9.88	13.40 9.59	13.60 9.84	13.10 9.65	13.19 10.06	13.91 10.49	14.19 10.46	14.20 10.42	13.24 9.69	13.51 10.76	13.45 9.93	13.71 10.21	28
29	13.20 9.80	13.35 9.63	13.38 9.74	12.58 9.68	13.58 9.68	13.91 10.44	13.89 10.28	13.70 10.04	13.17 9.69	13.65 10.48	13.62 9.96	13.79 10.23	29
30	13.30 9.88	13.39 9.45	13.33 9.64	13.78 9.76	13.99 9.76	13.99 10.39	13.51 10.17	13.58 10.19	13.12 10.09	13.51 10.21	13.85 10.04	13.70 10.28	30
31	13.35 9.88	13.01 9.69	13.01 9.69	14.26 10.78	14.00 10.67	14.00 10.67	13.75 10.53	13.75 10.53	13.76 10.19	13.76 10.19	13.87 9.94	13.87 9.94	31
MAXIMUM	14.65 9.66	NR NR	13.94 9.34	NR NR	15.61 10.04	14.00 9.14	14.84 9.57	14.76 9.67	14.81 9.62	14.11 9.47	14.19 9.66	13.89 9.86	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.M.	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT.			DATE	FROM			TO
27 53 28	1 21 29 20	NW 36 1N 4E		7.2	12/26/55		JUL 59-DATE	1939	1943	- 4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED

Station located on Victoria Island, below State Highway 4 bridge, 10 mi. NW of Trawl.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BACON ISLAND

in feet

STATION NO	WATER YEAR
895460	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.22 13.11	16.51 12.77	16.40 12.54	15.83 12.62	17.84 14.69	16.23 12.85	16.71 13.15	16.34 13.09	16.81 13.71	16.51 13.19	17.04 13.17	17.02 13.07	1
2	16.62 13.27	16.45 12.75	16.24 12.46	15.96 12.57	17.94 14.52	16.72 13.21	16.15 12.78	16.26 13.31	16.85 13.84	16.80 13.13	17.27 13.26	16.89 12.99	2
3	16.59 13.36	16.49 12.69	15.77 12.59	16.21 12.76	18.51 15.46	16.61 12.74	15.88 12.53	16.37 13.43	16.88 13.58	16.90 13.13	17.22 13.01	16.79 12.99	3
4	16.68 13.24	16.24 12.79	15.71 12.35	16.42 12.95	18.65 15.21	16.24 12.39	15.93 12.86	16.55 13.59	16.76 13.24	17.04 12.98	17.18 12.99	17.06 13.76	4
5	16.57 13.09	15.95 12.69	15.79 12.45	16.61 13.01	18.39 15.60	16.16 12.40	16.24 13.16	16.59 13.57	17.08 13.42	17.08 12.97	17.21 13.08	16.94 13.44	5
6	16.55 12.89	15.87 12.46	16.11 12.72	16.76 12.98	18.17 14.77	16.41 12.70	16.32 13.33	16.48 13.46	17.13 13.23	17.17 13.00	17.15 13.07	16.45 13.25	6
7	16.59 12.71	15.86 12.53	16.26 12.97	16.79 12.87	18.04 14.35	16.50 12.80	16.68 13.86	16.62 13.42	17.40 13.30	17.20 13.04	17.02 13.16	16.83 13.73	7
8	15.77 12.72	16.19 12.79	16.51 13.01	16.99 13.99	17.91 14.31	16.50 13.58	16.71 13.97	16.82 13.39	17.60 13.27	17.16 12.79	16.74 13.07	16.98 13.67	8
9	16.43 12.67	16.57 13.15	16.74 12.92	17.20 13.02	17.79 14.16	16.45 12.97	16.90 13.96	16.74 13.05	17.51 13.38	17.00 12.79	16.34 12.94	17.00 13.64	9
10	16.46 12.85	16.59 13.02	16.83 13.72	17.16 13.19	17.78 14.46	16.20 13.02	17.01 14.16	16.66 13.01	17.72 13.40	16.82 12.78	15.51 13.09	15.92 13.22	10
11	16.47 13.04	16.67 13.37	16.99 12.89	16.69 13.21	17.09 14.38	16.10 12.99	17.01 13.94	16.80 13.07	17.27 13.23	16.75 13.05	16.78 13.57	15.83 13.15	11
12	17.11 13.90	17.00 12.90	17.13 12.99	16.17 12.89	16.76 13.97	15.77 13.11	17.13 14.03	16.66 12.88	17.16 13.23	15.67 13.22	15.86 13.44	17.05 13.13	12
13	17.62 14.24	16.98 13.07	16.86 12.96	15.92 12.43	16.66 13.86	15.66 12.81	17.16 13.97	16.63 12.97	16.83 13.32	16.27 13.47	15.48 13.11	16.83 13.13	13
14	17.74 14.72	16.99 12.94	16.75 12.81	15.57 12.47	16.72 14.06	15.93 13.16	17.38 14.44	16.62 12.99	16.26 13.00	16.82 13.54	16.89 12.95	16.95 13.16	14
15	17.84 14.24	16.66 12.94	16.97 12.92	15.49 12.44	16.59 14.09	16.21 12.94	16.96 13.78	16.21 12.79	16.57 13.01	16.95 13.57	16.97 12.81	16.97 13.46	15
16	17.79 14.62	16.26 12.78	16.46 13.21	15.74 12.57	16.67 13.93	15.98 13.28	16.58 13.79	16.03 12.67	16.66 13.39	17.12 13.28	17.22 13.16	17.04 13.49	16
17	17.79 14.16	15.79 12.44	16.29 13.07	15.84 12.75	16.64 13.59	16.26 12.78	16.71 14.01	16.06 12.85	16.99 13.60	17.21 13.16	17.41 13.27	16.82 13.51	17
18	17.61 14.04	15.64 12.34	16.45 13.16	16.07 13.07	16.66 13.32	15.81 12.31	16.73 13.73	16.45 13.31	17.53 13.88	17.22 12.95	17.22 13.17	16.70 13.53	18
19	17.27 13.96	15.44 12.12	16.24 13.09	16.02 12.67	16.67 13.14	15.79 12.23	17.01 14.07	16.74 13.73	17.68 13.58	17.37 13.01	17.04 13.07	16.67 13.53	19
20	16.53 13.59	NR NR	16.21 13.16	16.08 12.51	16.99 13.27	15.88 12.27	16.98 14.11	17.12 13.92	17.68 13.41	17.35 12.99	16.81 13.01	16.64 13.78	20
21	16.24 13.15	NR NR	16.21 13.18	16.39 12.67	16.98 13.09	16.45 12.77	17.24 14.12	17.45 13.76	17.88 13.37	17.21 12.99	16.50 13.01	16.66 13.74	21
22	16.21 13.07	16.09 12.94	16.45 13.16	NR NR	17.00 14.16	16.56 12.92	17.11 14.07	17.39 13.43	17.69 13.26	17.27 13.02	16.47 13.27	16.80 13.78	22
23	16.38 13.24	16.35 13.19	16.65 13.18	NR NR	16.76 13.01	16.57 12.94	17.22 14.08	17.61 13.49	17.48 13.10	16.94 13.02	16.27 13.32	16.48 13.55	23
24	16.35 13.39	16.19 12.81	16.77 13.09	NR NR	16.71 12.98	15.14 13.23	17.56 14.18	17.77 13.51	17.11 12.86	16.64 12.98	16.24 13.26	16.50 13.20	24
25	16.25 13.33	16.23 12.71	16.77 14.22	NR NR	16.56 13.04	16.00 12.72	17.81 14.10	17.74 13.49	16.78 12.73	16.14 12.69	16.27 13.39	16.55 13.12	25
26	16.23 13.20	16.51 13.62	16.87 12.89	16.64 12.71	16.31 13.18	16.11 12.87	17.86 14.06	17.65 13.48	16.53 13.06	16.17 12.74	16.36 13.22	16.80 13.05	26
27	16.10 12.91	16.47 12.95	16.83 12.93	16.42 12.72	16.29 13.13	16.40 13.11	17.53 13.52	17.25 13.29	16.41 13.08	16.79 13.59	16.59 13.11	16.15 13.25	27
28	16.11 13.35	16.59 12.65	16.73 12.83	16.27 12.72	16.27 13.09	17.13 13.51	17.11 13.41	17.18 13.41	15.78 12.94	15.81 13.99	15.42 13.06	16.62 13.25	28
29	16.37 12.86	16.54 12.66	16.53 12.71	15.84 12.74	16.74 13.50	17.01 13.50	16.76 13.24	16.31 13.03	16.38 12.93	16.86 13.66	16.76 13.07	16.92 13.31	29
30	16.49 12.91	16.52 12.54	16.49 12.66	16.96 13.02	17.06 13.34	17.06 13.34	16.43 13.18	16.53 13.21	16.33 13.33	16.81 13.42	16.99 13.13	16.88 13.35	30
31	16.52 12.88		16.16 12.71	17.39 13.99		16.92 13.63		16.73 13.55		16.97 13.39	17.02 13.03		31
MAXIMUM	17.84 12.67	NR NR	17.13 12.35	17.99 12.51	18.65 12.98	17.13 12.23	17.86 12.53	17.77 12.67	17.88 12.73	17.37 12.69	17.41 12.81	17.06 12.99	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to give negative gage height. Subtract 10.00 feet to obtain recorder gage height.

LOCATION				MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.M	C.F.S.	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
								FROM	TO			
36 09 07	121 1 00	SW22 2N -5						OCT -6-DATE	1940		-2.74	USCGS

Station located at NE corner of Bacon Island at junction of Middle River and Cinnamon Slough.
Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 261
DAILY MAXIMUM AND MINIMUM TIDES

TOM PAINE SLOUGH ABOVE MOUTH

in feet

STATION NO	WATER YEAR
B95420	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.22 13.96	17.69 13.99	17.69 13.91	17.02 14.02	19.02 15.71	17.59 14.51	18.26 15.36	17.81 15.25	18.64 16.39	17.54 14.27	17.77 13.68	17.86 14.05	1
2	17.64 14.26	17.67 13.97	17.48 13.88	17.16 13.87	19.24 15.44	18.02 14.74	17.69 14.89	17.80 15.22	18.63 16.44	17.78 14.19	17.99 14.02	17.73 13.98	2
3	17.48 14.34	17.70 13.87	16.99 13.89	17.39 14.02	20.07 16.97	18.05 14.38	17.35 15.53	17.77 15.70	18.62 16.26	17.89 14.18	17.95 13.80	17.62 13.97	3
4	17.61 14.24	17.43 13.93	16.91 13.64	17.59 14.19	20.24 17.07	17.54 15.09	17.37 14.47	17.83 15.12	18.44 15.89	18.01 14.04	17.84 13.81	17.93 14.68	4
5	17.52 14.04	17.09 13.85	16.98 13.67	17.77 14.39	19.99 17.14	17.36 13.98	17.60 14.60	17.92 15.25	18.64 15.81	17.98 13.97	17.91 13.87	17.83 14.41	5
6	16.72 13.90	17.01 13.65	17.29 13.91	17.89 14.35	19.83 16.87	17.61 13.82	17.59 14.74	17.85 15.20	18.62 15.38	18.11 14.02	17.81 13.87	17.24 14.15	6
7	17.50 13.78	16.93 13.70	17.49 14.19	17.99 14.30	19.73 16.67	17.61 14.04	17.94 14.77	17.94 15.24	18.71 15.16	18.12 14.10	17.65 13.95	17.74 14.60	7
8	17.49 13.80	17.22 13.94	17.73 14.28	18.13 14.22	19.49 16.49	17.59 14.11	18.04 15.21	18.11 15.24	18.79 14.98	18.10 13.86	17.33 13.91	17.08 14.58	8
9	17.33 13.74	17.57 14.25	17.94 14.33	18.40 14.35	19.28 16.02	17.51 14.21	18.32 15.74	18.06 14.98	18.69 15.07	17.98 13.90	16.98 13.78	17.90 14.60	9
10	17.29 13.91	17.64 14.43	18.02 14.28	18.41 14.58	19.35 16.20	17.21 14.21	18.58 16.13	17.97 15.01	18.96 15.14	17.73 13.80	16.86 13.88	17.95 14.25	10
11	17.35 14.05	17.70 14.20	18.15 14.27	17.96 14.62	18.78 16.22	17.07 14.08	18.66 16.02	18.17 15.18	18.52 15.02	17.70 14.06	17.16 14.34	17.87 14.14	11
12	17.87 14.75	18.09 14.11	18.34 14.32	17.41 14.32	18.38 16.04	16.74 14.07	18.76 16.26	18.15 15.41	18.42 15.14	17.56 14.07	17.51 14.24	17.96 14.13	12
13	18.54 15.14	18.09 14.27	18.07 14.37	17.17 13.87	18.29 15.93	16.58 13.71	18.93 16.55	18.29 15.73	18.19 15.20	17.56 14.32	17.60 13.88	17.83 14.19	13
14	18.77 15.64	18.11 14.16	18.00 14.21	16.82 13.84	18.37 15.97	16.77 14.00	19.17 16.58	18.29 15.69	18.06 14.49	17.67 14.34	17.56 13.77	17.93 14.27	14
15	18.93 15.28	17.79 14.12	18.22 14.25	16.72 13.74	18.39 16.09	17.10 13.90	18.48 15.70	17.82 15.21	17.69 14.22	17.72 14.43	17.61 13.64	17.95 14.49	15
16	18.85 15.64	17.44 13.95	17.73 14.46	16.97 13.69	18.47 16.21	16.75 14.05	18.17 15.84	17.59 14.77	17.72 14.71	17.90 14.16	17.86 13.94	17.99 14.52	16
17	18.83 15.26	16.92 13.67	17.58 14.30	17.04 13.82	18.36 15.76	17.30 13.78	18.39 16.19	17.43 14.67	18.14 14.98	17.96 13.99	18.07 14.10	17.82 14.57	17
18	18.59 15.09	16.84 13.49	17.68 14.26	17.25 14.07	18.26 16.19	16.90 13.40E	18.34 15.72	17.65 14.84	18.68 15.19	17.98 13.78	17.91 14.04	17.78 14.57	18
19	17.96 14.97	16.54 13.30E	17.51 14.17	17.22 14.50	18.27 15.49	16.88 13.33E	18.49 16.85	17.93 15.32	18.79 15.11	18.12 13.96	17.66 13.92	17.55 14.56	19
20	18.31 14.64	16.63 13.34E	17.44 14.22	17.22 13.84	18.59 15.37	16.85 14.68	18.57 15.82	18.38 15.67	18.86 15.11	18.06 13.88	17.41 13.82	17.73 14.78	20
21	17.57 14.21	16.88 13.60	17.47 14.34	17.49 13.67	18.51 15.49	17.37 13.35E	18.74 15.96	18.76 15.75	19.09 15.24	17.90 13.91	17.18 13.81	17.81 14.75	21
22	17.26 14.12	17.21 13.95	17.39 14.39	17.59 13.79	18.44 15.28	17.38 13.79	18.70 16.16	18.77 15.69	18.92 15.39	17.98 13.91	17.14 14.06	17.93 14.83	22
23	17.43 14.29	17.46 14.22	17.96 14.47	17.66 13.82	18.25 15.14	17.44 13.86	18.87 16.27	19.04 15.91	18.79 15.37	17.64 13.89	16.98 14.12	17.64 14.62	23
24	17.37 14.45	17.31 14.29	18.14 14.54	17.86 13.83	18.12 15.05	17.04 13.99	19.18 16.51	19.24 15.99	18.47 14.79	17.34 13.81	16.56 14.05	17.68 14.29	24
25	17.26 14.38	17.38 13.97	18.04 14.44	17.79 13.99	17.95 15.00	16.99 13.83	19.35 16.41	19.24 16.12	17.92 14.36	16.83 13.49E	16.98 14.13	16.77 14.20	25
26	17.29 14.37	17.64 13.89	18.14 14.28	17.69 13.97	17.70 14.98	17.09 14.01	19.42 16.29	19.24 16.25	17.62 14.36	16.54 13.48E	17.06 14.00	17.69 14.11	26
27	17.17 14.25	17.62 14.15	18.06 14.29	17.42 13.96	17.77 14.90	17.35 14.19	19.09 15.93	18.96 16.19	17.53 14.21	16.76 14.26	17.19 13.88	17.94 14.31	27
28	17.19 13.99	17.77 13.89	17.99 14.24	17.34 13.94	17.65 14.75	18.07 14.75	18.76 15.76	18.87 16.13	17.38 13.96	17.38 14.62	17.41 13.82	17.93 14.27	28
29	17.45 13.97	17.70 13.97	17.74 14.17	16.79 13.96	17.94 15.05	18.16 14.77	18.36 15.44	18.39 15.79	17.29 13.83	17.55 14.30	17.56 13.85	17.94 14.33	29
30	17.56 14.09	17.74 13.83	17.69 14.06	17.86 13.87	17.86 15.31	18.41 15.31	17.98 15.29	18.25 16.04	17.26 14.27	17.48 14.09	17.78 14.03	17.91 14.38	30
31	17.62 14.06		17.39 14.14	17.99 14.89		18.46 15.66		18.49 16.36		17.71 14.08	17.82 13.97		31
MAXIMUM	18.93	18.11	18.34	18.41	20.24	18.46	19.42	19.24	19.09	18.12	18.07	17.99	MAXIMUM
MINIMUM	13.74	13.30E	13.64	13.67	14.75	13.33E	14.47	14.67	13.83	13.48E	13.64	13.97	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M D B B M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM	
			CFS	GAGE HT	DATE			FROM	TO		
37 47 27	121 25 0'	NW 4 2S 5E		14.6	12/29/55		6/51-10/53 4/54-DATE	1955		-4.22	USCDS

Station located 0.1 mi. E of mouth of Sugar Cut, 2.2 mi. above mouth, 2.6 mi. N of Tracy. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

8 - Irrigation Season Only

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895380	1963

OLD RIVER NEAR TRACY ROAD BRIDGE

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	17.16 13.89	17.65 13.91	17.57 13.74	16.92 13.87	18.97 15.60	17.54 14.17	18.14 14.82	17.67 14.66	18.32 15.57	17.42 13.93	17.67 13.69	17.67 13.84	1
2	17.59 14.10	17.60 13.88	17.39 13.65	17.04 13.76	19.17 15.31	17.97 14.39	17.61 15.64	17.66 14.76	18.32 15.74	17.69 13.84	17.85 13.87	17.57 13.79	2
3	17.43 14.20	17.65 13.76	16.92 13.69	17.26 13.86	19.95 16.77	17.99 14.04	17.29 14.39	17.67 15.29	18.35 15.51	17.75 13.87	17.86 13.60	17.46 13.81	3
4	17.57 14.09	17.34 13.83	16.84 13.46	17.45 14.01	20.16 16.70	17.48 14.88	17.32 14.04	17.77 14.69	18.22 15.12	17.86 13.81	17.76 13.62	17.73 14.50	4
5	17.49 13.92	17.05 13.74	16.89 13.51	17.66 14.23	19.90 16.67	17.27 13.60	17.55 14.24	17.82 14.78	18.43 15.16	17.84 13.78	17.82 13.69	17.67 14.24	5
6	16.65 13.76	16.99 13.51	17.22 13.75	17.78 14.18	19.72 16.35	17.53 13.51	17.59 14.46	17.72 14.76	18.46 14.83	17.99 13.81	17.67 13.66	17.21 14.03	6
7	17.44 13.62	16.89 13.59	17.41 14.03	17.85 14.13	19.60 16.11	17.57 13.74	17.89 14.52	17.86 14.79	18.59 14.67	18.01 13.85	17.52 13.78	17.66 14.46	7
8	17.45 13.63	17.19 13.81	17.68 14.15	18.15 14.06	19.38 15.97	17.51 13.82	17.96 14.92	18.03 14.78	18.70 14.54	17.97 13.62	17.26 13.74	17.79 14.41	8
9	17.27 13.60	17.53 14.12	17.91 14.20	18.41 14.16	19.20 15.61	17.47 13.94	18.24 15.37	17.99 14.69	18.61 14.69	17.84 13.62	16.91 13.61	16.95 14.40	9
10	17.25 13.74	17.59 14.31	17.98 14.16	18.40 14.38	19.25 15.80	17.17 13.99	18.44 15.67	17.89 14.50	18.86 14.67	17.64 13.55	16.71 13.72	17.88 14.07	10
11	17.28 13.90	17.65 14.11	18.12 14.14	17.95 14.46	18.65 15.75	17.04 13.83	18.46 15.52	18.09 14.62	18.40 14.52	17.56 13.82	17.09 14.19	17.78 13.95	11
12	17.84 14.63	18.01 13.97	18.30 14.22	17.41 14.15	18.25 15.55	16.74 13.84	18.59 15.69	18.01 14.74	18.29 14.57	17.46 13.88	17.41 14.02	17.87 13.96	12
13	18.47 15.02	18.03 14.15	18.03 14.21	17.16 13.72	18.14 15.43	16.57 13.51	18.69 15.84	18.07 14.91	18.02 14.64	17.43 14.11	17.47 13.70	17.74 14.01	13
14	18.71 15.51	18.02 14.03	17.96 14.06	16.81 13.70	18.20 15.49	16.76 13.82	18.91 15.99	18.04 14.89	17.92 14.07	17.59 14.14	17.47 13.60	17.85 14.11	14
15	18.86 15.11	17.73 13.98	18.17 14.13	16.73 13.58	18.20 15.54	17.11 13.68	18.31 15.18	17.59 14.49	17.59 13.89	17.62 14.21	17.57 13.48	17.86 14.33	15
16	18.80 15.49	17.96 13.80	17.69 14.37	16.95 13.57	18.22 15.65	16.74 13.89	17.99 15.24	17.37 14.14	17.67 14.32	17.74 13.87	17.81 13.81	17.90 14.37	16
17	18.77 15.07	16.89 13.48	17.53 14.19	17.05 13.74	18.20 15.24	17.28 13.61	18.16 15.58	17.29 14.12	18.04 14.59	17.82 13.79	18.01 13.95	17.75 14.39	17
18	18.53 14.92	16.78 13.35	17.65 14.18	17.24 13.95	18.10 15.69	16.87 13.26E	18.12 15.19	17.55 14.43	18.59 14.84	17.89 13.59	17.79 13.87	17.64 14.37	18
19	17.88 14.76	16.50 13.07E	17.47 14.06	17.18 14.41	18.10 14.89	16.84 13.20E	18.37 16.48	17.84 15.01	18.69 14.70	18.03 13.74	17.58 13.77	17.72 14.37	19
20	18.29 14.50	16.59 13.11E	17.40 14.11	17.20 13.68	18.40 14.73	16.82 14.57	18.47 15.38	18.29 14.93	18.73 14.64	17.92 13.68	17.34 13.69	17.59 14.61	20
21	17.55 14.06	16.79 13.43	17.41 14.24	17.52 13.52	18.37 14.90	17.36 13.20E	18.59 15.47	18.63 15.20	18.94 14.73	17.79 13.69	17.12 13.67	17.68 14.56	21
22	17.23 13.98	17.14 13.81	17.68 14.24	17.58 13.65	18.43 14.75	17.37 13.64	18.51 15.59	18.62 15.04	18.78 14.74	17.84 13.72	17.09 13.92	17.79 14.65	22
23	17.37 14.15	17.37 14.06	17.88 14.28	17.63 13.67	18.19 14.65	17.44 13.76	18.69 15.66	18.87 15.21	18.67 14.75	17.54 13.66	16.87 13.96	17.52 14.40	23
24	17.31 14.31	17.21 14.19	18.05 14.38	17.85 13.68	18.11 14.59	17.01 13.83	18.96 15.89	19.09 15.28	18.35 14.24	17.27 13.59	16.47 13.85	17.51 14.07	24
25	17.23 14.25	17.26 13.79	18.00 14.28	17.75 13.84	17.91 14.56	16.95 13.67	19.23 15.81	19.09 15.34	17.79 13.87	16.75 13.34	16.86 13.99	16.63 13.96	25
26	17.22 14.24	17.55 13.73	18.10 14.13	17.67 13.79	17.65 14.60	17.07 13.83	19.27 15.73	19.04 15.46	17.49 13.96	16.47 13.32	16.92 13.84	17.53 13.87	26
27	17.11 14.15	17.56 13.98	18.02 14.18	17.42 13.79	17.71 14.54	17.32 13.99	18.92 15.32	18.72 15.33	17.41 13.84	16.64 14.09	17.09 13.71	17.83 14.10	27
28	17.13 13.86	17.65 13.71	17.85 14.10	17.31 13.77	17.58 14.38	17.98 14.54	18.59 15.15	18.62 15.31	17.26 13.63	17.34 14.47	17.32 13.71	17.79 14.11	28
29	17.41 13.88	17.62 13.79	17.63 14.01	16.77 13.78		18.12 14.54	18.17 14.86	18.09 14.94	17.19 13.55	17.45 14.14	17.42 13.72	17.82 14.16	29
30	17.51 14.00	17.67 13.64	17.62 13.93	17.86 13.76		18.34 14.91	17.84 14.77	17.97 15.14	17.16 13.96	17.39 13.89	17.65 13.84	17.82 14.22	30
31	17.61 13.99		17.26 13.93	18.03 14.78		18.34 15.19		18.19 15.51		17.59 13.91	17.67 13.79		31
MAXIMUM	18.86 13.60	18.03 13.07E	18.30 13.46	18.41 13.52	20.16 14.38	18.34 13.20E	19.27 14.04	19.09 14.12	18.94 13.55	18.03 13.32	18.01 13.48	17.90 13.79	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES								
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
37 48 30	121 26 06	SW32 1S 5E		13.2	12/29/55		5 51-12 54 " 2/55-DATE	1958		-4.44	USCGS

Station located 30 ft. above Tracy Road bridge, 3.5 mi. NW of Tracy. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge.
S - Irrigation season only.

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT CLIFTON COURT FERRY

in feet

STATION NO	WATER YEAR
895340	1963

DATE	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.02 11.88	15.52 11.78	15.48 11.66	14.83 11.81	16.83 13.64	15.28 11.91	15.97 12.34	15.42 12.06	16.07 12.78	15.29 11.79	15.58 11.79	15.63 11.82	1
2	15.44 12.00	15.50 11.79	15.32 11.57	14.95 11.73	16.94 13.39	15.74 12.22	15.37 11.88	15.40 12.21	16.11 12.99	15.56 11.73	15.79 11.84	15.55 11.77	2
3	15.32 12.15	15.55 11.69	14.87 11.69	15.17 11.86	17.68 14.54	15.73 11.82	15.07 11.58	15.43 12.28	16.13 12.79	15.59 11.73	15.75 11.66	15.43 11.77	3
4	15.45 12.04	15.25 11.77	14.80 11.45	15.30 11.96	17.84 14.94	15.30 11.39	15.07 11.83	15.54 12.44	16.01 12.37	15.70 11.68	15.68 11.64	15.73 12.44	4
5	15.38 11.89	14.93 11.68	14.82 11.52	15.49 12.07	17.63 14.38	15.10 11.30	15.30 12.71	15.62 12.40	16.23 12.49	15.73 11.69	15.72 11.73	15.64 12.21	5
6	15.35 11.72	14.87 11.45	15.07 11.77	15.66 12.55	17.44 13.99	15.31 12.53	15.32 12.11	15.49 12.40	16.27 12.29	15.85 11.70	15.63 11.70	15.17 12.01	6
7	14.51 11.57	14.75 11.52	15.22 11.98	15.74 12.02	17.35 13.68	15.35 11.50	15.66 12.24	15.69 12.44	16.42 12.29	15.84 11.67	15.48 11.80	15.61 12.48	7
8	15.32 11.59	15.07 11.78	15.46 12.17	15.90 11.95	17.14 13.57	15.32 11.84	15.76 12.82	15.84 12.44	16.56 12.21	15.82 11.47	15.24 11.75	15.72 12.41	8
9	15.15 11.57	15.39 12.13	15.71 12.05	16.16 12.06	16.95 13.34	15.24 11.78	16.05 13.06	15.83 12.08	16.47 12.33	15.70 11.50	14.86 11.64	14.85 12.36	9
10	15.16 11.70	15.47 12.32	15.78 12.00	16.15 12.30	16.98 13.63	14.96 11.81	16.23 13.27	15.76 11.99	16.72 12.29	15.50 11.44	14.99 11.75	15.78 12.05	10
11	15.19 11.91	15.53 12.05	15.89 11.97	15.72 12.35	16.34 13.52	14.84 11.74	16.27 13.12	15.89 12.09	16.27 12.19	15.40 11.73	14.62 12.24	15.70 11.95	11
12	15.81 12.69	15.90 11.92	16.07 12.06	15.17 12.02	16.01 13.18	14.56 11.79	16.42 13.24	15.86 12.11	16.21 12.19	15.30 11.85	15.32 12.07	15.79 11.95	12
13	16.34 13.07	15.93 12.09	15.81 12.05	14.92 11.55	15.88 12.05	14.42 11.48	16.49 13.28	15.89 12.16	15.89 12.26	15.38 12.08	15.28 11.77	15.66 11.95	13
14	16.52 13.52	15.91 11.96	15.75 11.88	14.59 11.54	16.00 13.17	14.67 11.77	16.71 13.57	15.83 12.12	15.81 11.91	15.40 12.13	15.42 11.62	15.76 12.03	14
15	16.67 13.13	15.65 11.90	15.97 11.97	14.49 11.51	15.91 13.19	14.99 11.66	16.20 12.86	15.39 11.86	15.47 11.79	15.48 12.14	15.47 11.47	15.77 12.24	15
16	16.65 13.52	15.26 11.75	15.45 12.21	14.74 11.47	15.97 13.21	14.66 12.02	15.82 12.86	15.23 11.67	15.54 12.19	15.63 11.83	15.72 11.79	15.78 12.29	16
17	16.63 13.12	14.77 11.40	15.30 12.07	14.84 11.73	15.93 12.81	15.14 11.58	15.97 13.12	15.19 11.77	15.89 12.41	15.71 11.74	15.89 11.92	15.62 12.35	17
18	16.40 12.95	14.67 11.27	15.40 12.11	15.06 11.98	15.89 12.49	14.73 11.10	15.96 12.82	15.43 12.16	16.44 12.72	15.74 11.58	15.73 11.88	15.52 12.36	18
19	16.13 12.82	14.35 11.07	15.21 12.00	15.03 11.63	15.89 12.27	14.69 11.02	16.22 13.07	15.66 12.57	16.58 12.43	15.87 11.61	15.52 11.78	15.28 12.35	19
20	15.38 12.48	14.45 11.09	15.18 12.03	15.03 11.48	16.19 13.59	14.72 11.00	16.25 13.14	16.08 12.79	16.57 12.22	15.84 11.64	15.29 11.69	15.52 12.58	20
21	15.38 12.05	14.70 11.43	15.27 12.17	15.34 12.58	16.12 12.39	15.23 11.52	16.39 13.73	16.44 12.66	16.79 12.28	15.73 11.61	15.06 11.67	15.58 12.57	21
22	15.09 11.99	15.06 11.84	15.45 12.23	15.43 11.58	16.11 12.29	15.27 12.53	16.32 13.21	16.40 12.42	16.64 12.19	15.75 11.63	15.01 11.89	15.71 12.63	22
23	15.20 12.15	15.30 12.12	15.63 12.91	15.46 11.58	15.90 12.24	15.28 11.65	16.47 13.18	16.65 12.51	16.49 12.24	15.45 11.59	14.80 11.88	15.41 12.39	23
24	15.19 12.30	15.15 12.20	15.81 12.28	15.68 11.58	15.81 12.19	14.88 11.71	16.75 13.37	16.89 12.59	16.21 11.87	15.14 11.58	14.78 11.90	15.46 12.06	24
25	15.09 12.23	15.19 11.80	15.78 12.18	15.61 11.73	15.62 12.21	14.78 11.53	17.04 13.34	16.86 12.59	15.71 11.57	14.68 11.28	14.84 12.04	15.88 11.97	25
26	15.04 12.21	15.46 11.72	15.86 12.01	15.50 11.67	15.38 12.27	14.89 11.71	17.07 13.20	16.78 12.59	15.36 11.72	14.29 11.33	13.88 11.86	14.72 11.88	26
27	14.92 12.09	15.45 11.94	15.82 12.08	15.25 11.67	15.41 12.25	15.20 11.91	16.70 12.74	16.49 12.46	15.29 11.72	14.59 12.16	15.03 11.74	15.78 12.11	27
28	14.92 11.80	15.54 11.65	15.71 12.00	15.14 11.65	15.35 12.17	15.97 12.50	16.34 12.53	12.51	15.11 11.54	15.25 11.72	15.27 11.72	15.75 12.12	28
29	15.22 11.75	15.52 11.69	15.51 11.92	14.60 11.68	15.97 11.68	15.97 12.44	15.98 12.33	15.86 12.12	15.08 11.56	15.34 12.23	15.42 11.74	15.78 12.16	29
30	15.36 11.88	15.57 11.57	15.48 11.84	15.80 11.79	16.16 11.79	16.16 12.51	15.58 12.18	15.73 12.27	15.06 11.96	15.30 12.00	15.62 11.79	15.74 12.20	30
31	15.43 11.87	15.19 11.89	15.19 11.89	16.36 12.82	16.36 12.82	16.16 12.77	15.91 12.63	15.91 12.63	15.51 12.01	15.63 11.77	15.63 11.77	15.79 11.77	31
MAXIMUM	16.67	15.93	16.07	16.36	17.84	16.16	17.07	16.89	16.79	15.87	15.89	15.79	MAXIMUM
MINIMUM	11.57	11.07	11.45	11.47	12.17	11.00	11.58	11.67	11.54	11.28	11.47	11.77	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 Feet to obtain re-order gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
7 49 05	1 21 35	SE20 1S 4E					DEC 46-DATE	1946	1952	-2.25	USCGS
								1946		-2.12	USCGS

Station located approx. 2,000 ft. below junction with Grant Line Canal. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 264
DAILY MAXIMUM AND MINIMUM TIDES

GRANT LINE CANAL AT TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
B95300	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.12 13.04	16.64 13.01	16.81 12.87	15.97 12.97	17.95 14.75	16.51 13.31	17.11 13.90	16.65 13.77	17.30 14.61	16.43 13.13	16.71 12.88	16.75 13.01	1
2	16.54 13.22	16.62 12.95	16.46 12.83	16.09 12.85	18.11 14.49	16.96 13.54	16.55 13.48	16.65 13.85	17.30 14.76	16.72 13.06	16.89 12.99	16.62 12.97	2
3	16.44 13.37	16.66 12.87	16.00 12.88	16.29 12.98	18.97 15.91	16.98 13.22	16.26 14.29	16.65 13.81	17.34 14.60	16.83 13.04	16.86 12.79	16.50 12.95	3
4	16.62 13.25	16.37 12.97	15.87 12.66	16.51 13.15	19.14 15.81	16.51 12.79	16.27 13.14	16.72 14.21	17.20 14.23	16.93 12.95	16.77 12.77	16.81 13.67	4
5	16.52 13.09	16.07 12.85	15.92 12.65	16.74 13.35	18.84 15.78	16.27 13.79	16.51 13.32	16.81 13.93	17.43 14.23	16.91 12.91	16.82 12.87	16.71 13.37	5
6	15.73 12.92	15.99 12.65	16.27 12.94	16.84 13.29	18.61 15.44	16.51 12.69	16.53 13.55	16.73 13.89	17.45 13.96	17.05 12.99	16.73 12.84	16.22 13.20	6
7	16.55 12.81	15.87 12.73	16.40 13.17	16.94 13.24	18.56 15.21	16.54 12.90	16.85 13.62	16.83 13.93	17.59 13.81	17.05 13.01	16.62 12.93	16.68 13.58	7
8	16.51 12.82	16.17 12.94	16.67 13.29	17.07 13.21	18.33 15.04	16.48 12.99	16.93 14.08	17.02 13.94	17.71 13.68	16.98 12.74	16.35 12.90	16.80 13.56	8
9	16.32 12.79	16.55 13.24	16.91 13.32	17.33 13.27	18.13 14.71	16.40 13.12	17.22 14.48	16.98 13.66	17.61 13.82	16.87 12.79	15.97 12.78	16.01 13.52	9
10	16.29 12.92	16.59 13.46	16.99 13.31	17.29 13.54	18.19 14.93	16.12 13.15	17.40 14.76	16.91 13.66	17.88 13.81	16.68 12.69	15.83 12.87	16.90 13.23	10
11	16.31 13.09	16.66 13.23	17.09 13.26	16.87 13.54	17.55 14.85	16.00 13.00	17.45 14.66	17.11 13.78	17.43 13.71	16.58 12.95	16.11 13.37	16.79 13.14	11
12	16.89 13.79	17.04 13.12	17.30 13.34	16.33 13.24	17.16 14.64	15.68 13.04	17.59 14.80	17.03 13.89	17.36 13.74	16.49 13.04	16.43 13.22	16.90 13.11	12
13	17.53 14.24	17.04 13.31	17.07 13.40	16.06 12.79	17.09 14.52	15.53 12.72	17.69 14.97	17.14 14.08	17.08 13.85	16.44 13.24	16.51 12.89	16.74 13.12	13
14	17.75 14.67	17.04 13.19	16.96 13.24	15.67 12.77	17.14 14.57	15.75 13.00	17.89 15.13	17.11 14.06	16.98 13.28	16.59 13.29	16.54 12.79	16.84 13.20	14
15	17.93 14.32	16.77 13.14	17.19 13.29	15.59 12.69	17.13 14.63	16.09 12.85	17.32 14.36	16.67 13.72	16.62 13.11	16.68 13.34	16.58 12.67	16.85 13.44	15
16	17.87 14.69	16.40 12.95	16.70 13.50	15.83 12.84	17.17 14.72	15.70 13.12	17.00 14.41	16.45 13.37	16.69 13.53	16.76 13.09	16.79 12.97	16.89 13.45	16
17	17.83 14.29	15.94 12.67	16.54 13.34	15.96 12.85	17.16 14.31	16.24 12.79	17.16 14.71	16.35 13.37	17.07 13.77	16.84 12.95	16.97 13.13	16.71 13.49	17
18	17.60 14.15	15.81 12.51	16.67 13.34	16.19 13.08	17.07 14.84	15.87 12.39	17.13 14.34	16.62 13.64	17.60 14.03	16.91 12.77	16.84 13.04	16.64 13.49	18
19	16.97 14.01	15.50 12.29	16.46 13.21	16.16 12.85	17.09 14.07	15.84 12.32	17.34 14.53	16.88 14.08	17.74 13.86	17.05 12.86	16.64 12.94	16.41 13.49	19
20	17.35 13.67	15.62 12.27	16.44 13.25	16.18 13.35	17.44 13.89	15.84 12.29	17.41 13.13	17.31 14.36	17.74 13.81	16.97 12.84	16.39 12.79	16.59 13.69	20
21	16.59 13.24	15.83 12.59	16.39 13.37	16.46 12.72	17.39 14.04	16.37 13.89	17.60 14.62	17.67 14.31	17.98 13.86	16.82 12.89	16.13 12.79	16.65 13.65	21
22	16.27 13.17	16.15 12.99	16.67 13.35	16.59 12.81	17.35 13.87	16.36 12.79	17.53 14.73	17.62 14.16	17.78 13.90	16.92 12.89	16.09 13.05	16.76 13.71	22
23	16.41 13.30	16.39 13.20	16.89 13.39	16.62 12.86	17.14 13.73	16.39 12.89	17.66 14.80	17.86 14.28	17.69 13.91	16.61 12.84	15.92 13.15	16.49 13.48	23
24	16.34 13.44	16.23 13.29	17.04 13.49	16.83 12.89	17.04 13.69	15.96 12.97	17.95 15.05	18.08 14.33	17.38 13.43	16.29 12.76	15.86 13.02	16.52 13.15	24
25	16.27 13.38	16.26 12.93	16.97 13.37	16.76 13.03	16.84 13.69	15.92 12.80	18.20 14.94	18.06 14.41	16.86 13.09	15.81 12.47	15.26 13.14	15.63 13.08	25
26	16.23 13.36	16.54 12.90	17.08 13.24	16.65 12.98	16.59 13.74	16.02 12.97	18.23 14.85	18.01 14.48	16.53 13.53	15.50 12.49	15.94 12.99	16.56 12.98	26
27	16.29 13.24	16.54 13.12	17.01 13.25	16.39 12.98	16.66 13.69	16.29 13.17	17.89 14.44	17.71 14.34	16.46 13.08	15.71 13.27	16.08 12.87	16.87 13.20	27
28	16.12 12.95	16.67 12.84	16.89 13.19	16.25 12.93	16.55 13.54	17.02 13.72	17.55 14.26	17.63 14.37	16.28 12.83	16.41 13.66	16.34 12.81	16.78 13.18	28
29	16.40 12.94	16.65 12.91	16.66 13.09	15.73 12.93	16.73 12.93	17.06 13.70	17.18 14.00	17.09 14.01	16.21 12.77	16.49 13.32	16.49 12.87	16.81 13.23	29
30	16.49 13.11	16.68 12.79	16.64 13.04	16.81 12.93	16.81 12.93	17.31 14.00	16.82 13.89	16.96 14.22	16.17 13.17	16.44 13.09	16.69 12.99	16.78 13.29	30
31	16.59 13.08		16.31 13.07	16.94 13.97		17.31 14.26		17.18 14.54		16.62 13.09	16.72 12.94		31
MAXIMUM	17.93 12.79	17.04 12.27	17.30 12.65	17.33 12.64	19.14 13.54	17.31 12.29	18.23 13.14	18.08 13.37	17.98 12.77	17.05 12.47	16.97 12.67	16.90 12.95	MAXIMUM MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE			FROM	TO			
37 49 13	121 26 55	NE29 1S 5E						OCT 40-DATE	1940	1957	-2.06	USCGS
									1957	1957	-4.17	USCGS
									1957	1960	-2.13	USCGS
									1960		-7.00	USCGS

Station located at Tracy Road bridge crossing, 5 mi. N of Tracy. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 265
DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN SLOUGH NEAR BYRON

in feet

STATION NO	WATER YEAR
B95280	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.21 10.96	13.61 10.66	12.91 10.69	13.90 10.12	1
2	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.25 11.12	13.84 12.42	14.11 10.11	13.78 10.08	2
3	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.29 10.93	13.83 9.99	14.07 9.91	13.68 10.08	3
4	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.14 10.51	13.96 9.92	14.01 9.89	14.02 10.68	4
5	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.34 10.64	14.02 9.93	14.02 9.99	13.94 10.46	5
6	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.40 10.46	14.11 9.90	13.96 9.96	13.48 10.28	6
7	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.60 10.49	14.12 9.90	13.81 10.07	13.86 10.75	7
8	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.72 10.40	14.10 9.71	13.58 10.01	14.02 10.69	8
9	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.70 10.51	13.93 9.73	13.23 9.89	14.11 10.64	9
10	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.90 10.53	13.76 9.71	13.34 10.02	12.81 10.34	10
11	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.45 10.35	13.66 9.96	12.88 10.49	14.00 10.21	11
12	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.34 10.39	13.57 10.11	13.62 10.33	14.09 10.24	12
13	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.07 10.42	13.57 9.99	13.69 9.99	13.92 10.24	13
14	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.00 10.11	13.71 10.39	13.66 9.81	14.01 10.33	14
15	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.68 9.98	13.78 10.38	13.73 9.66	14.03 10.54	15
16	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.73 10.42	13.91 10.14	13.98 9.96	14.07 10.59	16
17	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.08 10.62	13.99 10.04	14.17 10.07	13.89 10.69	17
18	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.64 10.90	14.07 9.86	13.98 10.04	13.79 10.68	18
19	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.75 10.60	14.21 9.86	13.80 9.98	13.56 10.67	19
20	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.77 10.32	14.17 9.92	13.58 9.93	13.71 10.97	20
21	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.95 10.42	14.03 9.87	13.31 9.88	13.74 10.43	21
22	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.72 10.30	14.08 9.88	13.28 10.13	13.87 10.86	22
23	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.64 10.31	13.76 9.86	13.11 10.16	13.62 10.64	23
24	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.39 10.02	13.46 9.82	13.13 10.19	13.64 10.28	24
25	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.89 9.79	13.02 9.57	13.19 10.33	13.67 10.22	25
26	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.63 9.95	12.66 9.63	13.33 10.21	12.87 10.15	26
27	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.57 9.92	12.98 10.42	12.28 10.08	13.88 10.34	27
28	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.35 9.75	13.62 10.83	13.54 10.03	13.86 10.35	28
29	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.97 10.21	13.39 9.83	13.73 10.53	13.71 10.05	13.89 10.46	29
30	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.87 10.35	13.38 10.22	13.67 10.31	13.88 10.03	13.76 10.44	30
31	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.07 10.74	13.86 10.33	13.86 10.33	13.89 10.04		31
MAXIMUM	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.95 9.75	14.21 9.57	14.17 9.66	14.11 10.08	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D 88M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 50 17	121 35 53	NW 24 18 3E		14.95	6/21/63		MAY 63-DATE	1963		0.00	LOCAL

Station located north of Clifton Court Road, 3.1 mi. SE of Byron. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge. Recorder installed May 28, 1963.

TABLE 26b
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR BYRON

in feet

STATION NO	WATER YEAR
B95270	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.70 10.56	13.11 9.76	13.62 9.81	13.62 9.73	1
2	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.73 10.74	13.37 9.71	13.86 9.91	13.49 9.69	2
3	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.76 10.53	13.52 9.76	13.82 9.66	13.38 9.74	3
4	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.68 10.15	13.66 9.68	13.76 9.64	13.74 10.44	4
5	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.93 10.28	13.71 9.66	13.77 9.71	13.62 10.20	5
6	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.96 10.12	13.80 9.69	13.71 9.73	13.14 9.97	6
7	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.15 10.15	13.82 9.69	13.58 9.81	13.56 10.46	7
8	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.30 10.07	13.80 9.48	13.26 9.73	13.69 10.39	8
9	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.23 10.18	13.67 9.51	12.91 9.61	13.75 10.35	9
10	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.50 10.22	13.48 9.74	13.03 9.74	12.39 10.01	10
11	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.05 10.06	13.41 9.73	13.36 10.21	13.66 9.91	11
12	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.91 10.02	13.30 9.91	12.32 10.08	13.76 9.89	12
13	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.62 10.07	13.25 10.08	13.46 9.76	13.59 9.90	13
14	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.56 9.74	13.43 10.18	13.47 9.56	13.67 9.97	14
15	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.11 9.66	13.28 9.71	13.51 9.46	13.69 10.19	15
16	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	12.91 9.50	13.35 10.10	13.71 9.91	13.80 10.26	16
17	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	12.87 9.64	13.65 10.32	13.74 9.78	13.97 9.91	17
18	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.15 10.07	14.22 10.62	13.81 9.61	13.81 9.84	18
19	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.45 10.48	14.34 10.34	13.91 9.69	13.58 9.76	19
20	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.83 10.65	14.33 10.12	13.91 9.71	13.38 9.68	20
21	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.18 10.55	14.54 10.14	13.76 9.66	13.09 9.66	21
22	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.13 10.28	14.36 10.01	13.81 9.68	13.06 9.89	22
23	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.38 10.36	14.19 9.98	13.54 9.66	12.83 9.91	23
24	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.61 10.40	13.88 9.69	13.21 9.63	12.82 9.91	24
25	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.57 10.38	13.47 9.45	12.73 9.31	12.86 10.01	25
26	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.48 10.40	13.18 9.68	12.33 9.38	13.01 9.86	26
27	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.15 10.21	13.14 9.66	12.72 10.21	11.91 9.74	27
28	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.05 10.26	13.03 9.46	13.26 10.59	13.24 9.71	28
29	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.51 9.88	12.93 9.51	13.44 10.31	13.41 9.72	29
30	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.40 10.02	12.89 9.90	13.42 10.04	13.61 9.74	30
31	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	13.58 10.37	NR NR	13.56 10.06	13.63 9.71	31
MAXIMUM	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	NR NR	14.54 9.45	13.91 9.31	13.97 9.46	13.76 9.69	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M O B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
37 53 28	121 34 09	NE 31 1N 4E		14.57	5/25/63		MAY 63-DATE	1963		0.00	LOCAL

Station located at Highway 4 bridge, 4.2 mi. E of Byron. Station affected by tidal action.
Maximum gage ht. listed does not indicate maximum discharge. Recorder installed May 14, 1963.

*TABLE 207
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT MANSION HOUSE

in feet

STATION NO	WATER YEAR
895260	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.14 10.01	13.34 9.71	13.26 9.56	NR NR	14.81 11.68	13.20 9.78	13.66 10.13	13.29 10.01	13.85 10.72	13.32 10.00	13.91 10.09	13.89 10.01	1
2	13.55 10.17	13.39 9.69	13.21 9.48	NR NR	14.90 11.46	13.64 10.11	13.13 9.77	13.25 10.22	13.86 10.84	13.57 10.02	14.14 10.20	13.75 9.95	2
3	13.42 10.27	13.46 9.67	12.72 9.60	NR NR	15.53 12.57	13.66 9.72	12.81 9.51	13.32 10.33	13.92 10.65	13.77 10.01	14.08 9.94	13.68 9.95	3
4	13.61 10.14	13.19 9.75	12.65 9.33	13.36 9.95	15.66 12.27	13.22 9.35	12.87 9.80	13.40 10.52	13.79 10.28	13.90 9.91	14.04 9.92	14.00 10.65	4
5	13.52 10.01	12.87 9.69	12.67 9.39	13.54 10.03	15.39 12.76	13.03 9.31	13.16 10.06	13.47 10.44	14.11 10.41	13.92 9.92	14.06 9.99	13.90 10.39	5
6	13.52 9.84	12.76 9.47	13.02 9.67	13.73 9.99	15.22 11.83	13.30 9.59	13.18 10.23	13.36 10.41	14.13 10.21	14.05 9.95	13.91 9.99	13.32 10.22	6
7	12.66 9.67	12.76 9.56	13.17 9.94	13.79 10.80	15.12 11.44	13.35 10.68	13.52 10.76	13.56 10.41	14.30 10.26	14.07 9.94	13.80 10.09	13.78 10.69	7
8	13.49 9.70	13.09 9.82	13.39 9.99	13.97 9.91	14.95 11.37	13.34 9.74	13.56 10.73	13.75 10.37	14.55 10.31	14.04 9.74	13.51 10.02	13.90 10.59	8
9	13.23 9.67	13.45 10.18	13.64 10.52	14.22 10.03	14.84 11.22	13.33 9.87	13.78 10.88	13.70 10.06	14.46 10.40	13.86 9.75	13.18 9.91	13.93 10.57	9
10	13.40 9.84	13.49 10.37	13.74 9.94	14.18 10.29	14.82 11.51	13.07 9.93	13.94 11.08	13.65 9.98	14.72 10.43	13.70 9.71	13.36 10.04	13.83 10.20	10
11	13.38 10.07	13.57 10.07	13.89 9.91	13.75 10.28	14.15 11.40	12.92 9.87	13.96 10.93	13.80 10.06	14.27 10.26	13.61 9.98	13.66 10.52	12.78 10.15	11
12	14.02 10.88	13.91 9.94	14.03 10.00	13.20 9.96	13.82 11.01	12.63 9.93	14.10 11.02	13.68 9.93	14.14 10.24	13.51 10.13	12.59 10.39	13.93 10.10	12
13	14.57 11.28	13.92 10.12	13.78 9.98	NR NR	13.73 10.88	12.50 9.65	14.18 10.99	13.67 10.03	13.83 10.30	13.19 10.36	13.74 10.06	13.83 10.12	13
14	14.68 11.70	13.92 9.98	13.71 9.81	NR NR	13.81 11.06	12.78 9.94	14.39 11.34	13.64 10.01	13.77 9.94	13.67 10.43	13.76 9.89	13.90 10.17	14
15	14.84 11.26	13.61 9.93	13.91 9.90	12.51 9.46	13.71 11.08	13.08 9.80	13.96 10.73	13.25 9.80	13.47 9.92	13.80 10.46	13.85 9.79	13.93 10.40	15
16	14.78 11.73	13.19 9.77	13.41 10.21	12.76 9.46	13.78 10.98	12.76 10.14	13.60 10.75	13.03 9.66	13.56 10.32	14.02 10.18	14.08 10.09	14.00 10.42	16
17	14.78 11.25	12.73 9.41	13.27 10.03	12.85 9.74	13.78 10.63	13.17 9.67	13.76 10.95	13.01 9.79	13.86 10.50	14.06 10.05	14.29 10.20	13.78 10.50	17
18	14.59 11.08	12.59 9.29	13.38 10.09	13.05 9.99	13.75 10.31	12.74 9.19	13.74 10.69	13.32 10.23	14.41 10.83	14.07 9.86	14.09 10.10	13.65 10.50	18
19	14.26 10.98	12.31 9.08	13.20 10.00	12.99 9.64	13.76 10.16	12.67 9.11	13.98 10.99	13.63 10.66	14.54 10.51	14.23 9.54	13.89 10.04	13.39 10.48	19
20	13.53 10.61	12.55 9.12	13.13 10.08	13.05 9.46	13.99 10.22	12.73 9.12	13.98 11.07	14.03 10.86	14.54 10.29	14.18 9.92	13.68 9.99	13.48 10.74	20
21	13.51 10.16	12.71 9.46	13.15 10.13	13.36 9.60	13.96 11.29	13.29 9.62	14.20 11.11	14.31 10.73	14.73 10.34	14.03 9.92	13.39 9.96	13.55 10.70	21
22	13.21 10.05	13.03 9.89	13.41 10.11	13.50 10.79	13.97 10.08	13.32 9.77	14.11 11.21	14.28 10.41	14.64 10.20	14.14 9.97	13.33 10.19	13.70 10.74	22
23	13.34 10.28	13.29 10.15	13.60 10.84	13.52 9.56	13.75 10.03	13.34 10.73	14.23 11.07	14.52 10.53	14.37 10.10	13.81 9.95	13.19 10.22	13.41 10.50	23
24	13.32 10.39	13.13 10.29	13.74 10.12	13.75 9.57	13.67 10.00	12.94 9.81	14.54 11.17	14.76 10.53	14.02 9.91	13.50 9.90	13.15 10.21	13.45 10.20	24
25	13.22 10.32	13.14 9.79	13.70 10.00	13.66 9.73	13.50 10.05	12.83 9.61	14.78 11.16	14.73 10.53	13.71 9.71	13.03 9.60	13.19 10.32	13.48 10.10	25
26	13.16 10.32	13.45 9.69	13.80 9.82	13.57 9.66	13.24 10.10	12.93 9.74	14.82 11.05	14.65 10.53	13.41 9.92	13.02 9.67	13.29 10.17	NR NR	26
27	13.03 10.21	13.41 9.98	13.74 9.87	13.33 9.66	13.27 10.09	13.22 10.01	14.46 10.53	14.31 10.37	13.38 9.90	12.73 10.47	12.21 10.04	NR NR	27
28	13.06 9.92	13.51 9.66	13.66 9.82	13.23 9.29	13.21 10.01	13.94 10.41	14.12 10.33	14.23 10.42	13.23 9.75	13.66 10.87	13.49 9.97	NR NR	28
29	13.35 9.87	13.46 9.65	NR NR	12.73 9.71	13.07 9.71	13.86 10.37	13.72 10.21	13.69 10.03	13.16 9.77	13.73 10.56	13.65 10.00	NR NR	29
30	13.45 9.95	13.45 9.50	NR NR	13.89 9.90	13.07 9.90	13.93 10.31	13.41 10.09	13.56 10.16	13.11 10.16	13.67 10.32	13.94 10.03	NR NR	30
31	13.49 9.93		NR NR	14.39 10.88		13.86 10.57		13.73 10.52		13.84 10.30	13.89 9.96		31
MAXIMUM	14.84 9.67	13.92 9.08	14.03 9.33	14.23 9.46	15.66 10.00	13.94 9.11	14.82 9.51	14.76 9.66	14.73 9.71	14.23 9.60	14.29 9.79	NR NR	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
38 54 37	121 33 39	NW29 1N 4E		7.4	12/26/55		AUG 49-DATUM	1939	1943	2.3	USED
								1943		0.00	USCGS
								1943		3.15	USED

Station located on Victoria Island, 0.2 mi. S of North Victoria Canal, 7.5 mi. E of Brentwood. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge. Station discontinued Nov. 5, 1963.

DAILY MAXIMUM AND MINIMUM TIDES

ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

STAT ON NO	WATER YEAR
895220	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.77 13.22	16.55 12.81	16.41 12.55	16.81 12.86	17.88 14.70	16.77 13.04	16.68 12.81	16.74 13.03	16.83 13.91	16.90 13.11	17.00 13.11	17.00 13.03	1
2	16.68 13.22	16.50 12.81	16.26 12.44	15.92 12.59	17.97 14.51	16.67 13.04	16.19 12.81	16.32 13.25	16.85 13.80	16.74 13.04	17.23 13.17	16.88 12.96	2
3	16.57 13.31	16.57 12.73	15.78 12.59	16.21 12.78	18.54 15.49	16.59 12.69	15.91E 12.56	16.36 13.36	16.90 13.57	16.88 13.02	17.22 12.90	16.79 12.92	3
4	16.63 13.20	16.30 12.83	15.74 12.34	16.40 12.96	18.62 15.16	16.24 12.34	15.93E 12.86	16.52 13.53	16.79 13.23	17.00 12.87	17.16 12.88	17.07 13.68	4
5	16.55 13.73	15.98 12.73	15.79 12.42	16.56 13.00	18.36 15.71	16.16 12.48	16.26 13.18	16.60 13.49	17.08 13.36	17.07 12.85	17.18 13.00	16.99 13.41	5
6	16.53 12.87	15.89 12.51	16.10 12.71	16.73 12.97	18.18 14.71	16.41 12.67	16.28E 13.41	16.48 13.41	17.13 13.18	17.15 12.87	17.11 13.00	16.46 13.21	6
7	15.65 12.69	15.90 12.59	16.26 12.97	16.82 12.88	18.10 14.34	16.51 12.76	16.61E 13.88	16.68 13.40	17.38 13.28	17.15 12.88	16.94 13.04	16.85 13.67	7
8	16.50 12.68	16.20 12.83	16.51 13.00	16.99 13.96	17.93 14.31	16.47 13.58	16.62 13.87	16.83 13.37	17.56 13.21	17.12 12.68	16.71 12.96	16.99 13.64	8
9	16.35 12.64	16.52 13.19	16.75 13.54	17.22 12.95	17.86 13.19	16.45 12.93	16.91 13.92	16.78 13.05	17.48 13.31	16.93 12.69	16.35 12.87	17.02 13.59	9
10	16.41 12.83	16.59 13.06	16.83 12.91	17.17 13.18	17.84 14.49	16.21 13.06	17.03 14.09	16.70 12.98	17.73 13.38	16.73 12.68	16.44 13.00	16.94 13.20	10
11	16.42 13.02	16.67 13.40	16.98 12.88	16.70 13.16	17.16 14.34	16.09 12.92	17.05 13.93	16.84 13.06	17.30 13.17	16.70 12.90	16.75 13.49	15.86 13.11	11
12	17.09 13.87	16.99 12.90	17.13 12.96	16.19 12.81	16.77 13.98	15.78 13.02	17.16 14.03	16.70 12.86	17.16 13.17	16.61 13.09	16.80 13.38	17.01 13.03	12
13	17.59 14.26	16.99 13.10	16.86 12.95	15.89 12.40	15.87 13.88	15.66 12.78	17.21 13.94	16.68 12.96	16.86 13.23	16.25 13.35	15.42 13.03	16.85 13.02	13
14	17.68 14.64	16.98 12.97	16.81 12.78	15.61 12.45	16.73 14.06	15.96 13.03	17.41 14.41	16.66 12.93	16.28 12.96	16.79 13.43	16.85 12.85	16.95 13.12	14
15	17.77 14.16	16.88 12.94	17.02 12.90	15.50 12.45	15.59 14.10	16.22 12.89	16.98 13.71	16.25 12.73	16.59 12.97	16.91 13.51	16.93 12.73	17.00 13.38	15
16	17.72 14.57	16.24 12.78	16.50 13.20	15.79 12.50	16.70 13.95	16.00 13.19	16.50 13.76	16.05 12.63	16.71 13.38	17.04 13.18	17.19 13.05	17.06 13.38	16
17	17.74 14.14	15.82 12.82	16.36 13.06	15.89 12.87	16.87 13.88	16.78 12.78	16.74 13.99	16.06 12.80	16.98 13.57	17.16 13.01	17.38 13.21	16.83 13.46	17
18	17.56 13.99	15.60 12.92	16.46 13.13	16.10 13.05	16.69 13.29	15.85 12.23	16.76 13.71	16.41 13.24	17.49 13.83	17.19 12.81	17.20 13.07	16.71 13.52	18
19	17.24 13.90	15.40 12.12	16.27 13.09	16.05 12.64	16.72 13.11	15.78 12.16	17.01 14.03	16.74 13.70	17.71 13.53	17.31 12.90	16.98 12.96	16.48 13.51	19
20	16.49 13.57	15.50 12.18	16.24 13.17	16.11 12.50	16.96 13.23	15.83 12.18	17.01 14.07	17.13 13.88	17.69 13.36	17.30 12.88	16.79 12.89	16.62 13.75	20
21	16.71 13.14	15.79 12.53	16.25 13.21	16.42 12.67	16.94 13.04	16.40 12.68	17.25 14.11	17.42 13.71	17.86 13.32	17.88 12.88	16.49 12.91	16.66 13.73	21
22	16.19 13.03	16.10 12.94	16.50 13.16	16.55 13.79	16.93 14.04	16.49 12.90	17.14 14.02	17.38 13.41	17.70 13.22	17.23 12.90	16.47 13.25	16.78 13.75	22
23	16.33 13.23	16.34 13.19	16.69 13.16	16.60 12.64	16.79 13.00	16.51 12.87	17.30 14.03	17.63 13.49	17.48 13.06	16.90 12.91	16.24 13.24	16.48 13.53	23
24	16.31 13.38	16.20 12.81	16.83 14.11	16.80 12.60	16.71 12.99	16.11 13.17	17.57 14.16	17.48 13.48	17.14 12.81	16.61 12.85	16.24 13.17	16.51 13.18	24
25	16.23 13.31	16.21 12.71	16.84 13.03	16.76 12.77	16.57 13.03	16.01 12.67	17.85 14.11	17.76 13.46	16.77 12.68	16.10 12.61	16.25 13.29	16.58 13.11	25
26	16.20 13.22	16.50 13.63	16.92 12.87	16.68 12.72	16.31 13.13	16.11 12.85	17.91 14.01	17.65 13.46	16.48 12.93	16.13 12.66	16.37 13.21	16.81 13.02	26
27	16.09 13.34	16.48 12.96	16.86 12.92	16.46 12.69	16.29 13.12	16.41 13.08	17.53 13.46	17.29 13.26	16.28 12.94	16.73 13.46	16.59 13.06	16.13 13.24	27
28	16.08 12.93	16.57 12.66	16.77 12.82	16.28 12.72	16.27 13.02	17.02E 13.54	17.16 13.26	17.21 13.39	16.38 12.82	15.79 13.87	15.41 13.01	16.80 13.22	28
29	16.40 12.90	16.50 12.64	16.54 12.74	16.04 12.76			17.02 13.47	16.79 13.18	16.68 12.84	16.33 13.58	16.84 13.03	16.72 13.25	29
30	16.53 12.92	16.50 12.56	16.47 12.69	16.99 13.06			17.05 13.36	16.50 13.11	16.56 13.26	16.31 13.34	16.78 13.09	16.87 13.31	30
31	16.52 12.91		16.15 12.72	17.42 14.01			16.93 13.60			16.93 13.30	17.01 12.96		31
MAXIMUM	17.77 12.64	16.99 12.12	17.13 12.34	17.42 12.40	18.62 12.99	17.05 12.16	17.91 12.56	17.79 12.63	17.86 12.68	17.31 12.61	17.38 12.73	17.07 12.92	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine print the data in this table, it was necessary to utilize negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	4 SEC T & R M.D.B.M.	OF RECORD		DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT			DATE	FROM		
37 58 35	121 48 15	SW 34 - 4N 7E							0.43	USCGS
									1.50	USCGS
									4.7	USCGS

Station located at Contra Costa Canal intake approx. 1.5 mi. NE of Knightsen. Station affected by tidal action. Maximum gage height does not indicate maximum discharge.

* TABLE 269
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR ROCK SLOUGH

in feet

STATION NO	WATER YEAR
895180	1963

DATE	DCT	NDV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	NR NR	16.45 12.78	16.29 12.54	15.64 12.58	17.86 14.65	16.09 12.79	16.61 13.12	16.23 13.01	16.70 13.68	16.39 13.15	16.91 13.16	16.88 13.04	1
2	NR NR	16.38 12.80	16.13 12.44	15.75 12.49	17.91 14.49	16.57 13.12	16.08 12.70	16.17 13.25	16.72 13.80	16.64 13.07	17.15 13.22	16.76 12.97	2
3	NR NR	16.42 12.69	15.64 12.54	16.06 12.71	18.47 15.47	16.51 12.72	15.82 12.49	16.26 13.38	16.75 13.55	16.77 13.06	17.11 12.94	16.67 12.99	3
4	NR NR	16.15 12.79	15.59 12.32	16.30 12.91	18.52 15.14	16.17 12.39	15.85 12.83	16.37 13.56	16.67 13.23	16.91 12.92	17.04 12.91	16.98 13.74	4
5	16.45 13.04	15.83 12.68	15.64 12.39	16.42 12.97	18.29 14.69	16.06 12.32	16.17 13.12	16.46 13.49	16.95 13.40	16.94 12.92	17.06 13.01	16.88 13.43	5
6	16.44 12.84	15.73 12.47	15.97 12.69	16.66 12.91	18.12 15.57	16.31 12.66	16.25 13.30	16.37 13.42	17.02 13.22	17.05 12.94	17.03 13.04	16.36 13.28	6
7	16.41 12.70	15.75 12.53	16.09 12.94	16.75 13.75	18.01 14.36	16.38 12.74	16.55 13.87	16.56 13.42	17.28 13.33	17.06 13.11	16.88 13.11	16.77 13.74	7
8	15.62 12.69	16.05 12.79	16.35 12.96	16.95 12.84	17.87 14.31	16.38 12.93	16.61 13.83	16.73 13.37	17.48 13.27	17.01 12.73	16.61 13.01	16.87 13.71	8
9	16.29 13.67	16.40 13.14	16.57 12.87	17.18 12.95	17.76 14.19	16.34 13.58	16.80 13.91	16.67 13.07	17.40 13.38	16.85 12.72	16.25 12.90	16.96 13.67	9
10	16.35 13.90	16.47 13.02	16.67 13.67	17.14 13.18	17.74 14.46	16.13 13.01	16.88 14.08	16.60 13.00	17.65 13.40	16.66 13.03	16.35 13.03	16.87 13.27	10
11	16.36 13.05	16.54 13.36	16.79 12.84	16.68 13.10	17.07 14.36	15.98 12.93	16.92 13.92	16.73 13.06	17.20 13.22	16.61 12.98	16.66 13.52	15.79 13.19	11
12	17.02 13.93	16.84 12.87	16.94 12.94	16.15 12.86	16.72 13.97	15.69 13.06	17.06 14.01	16.56 12.86	17.05 13.22	16.51 13.16	16.72 13.39	16.94 13.11	12
13	17.46 14.25	16.87 13.05	16.66 12.91	15.87 12.41	16.64 13.87	15.56 12.76	17.06 13.91	16.55 12.95	16.76 13.29	16.16 13.39	15.34 13.03	16.77 13.11	13
14	17.59 14.67	16.85 12.92	16.60 12.76	15.52 12.43	16.69 14.04	15.84 13.08	17.28 14.39	16.51 12.96	16.19 12.98	16.68 13.47	16.76 12.88	16.86 13.18	14
15	17.68 14.19	16.55 12.90	16.79 12.87	15.43 12.41	16.54 14.09	16.14 12.91	16.86 13.71	16.13 12.74	16.47 12.99	16.82 13.54	16.83 12.76	16.89 13.44	15
16	17.63 14.56	16.16 12.78	16.31 13.16	15.75 12.49	16.68 13.95	15.91 13.25	16.48 13.72	15.82 12.65	16.56 13.34	16.99 13.26	17.08 13.10	16.96 13.47	16
17	17.64 14.13	15.70 12.43	16.16 13.01	15.85 12.76	16.64 13.59	16.18 12.73	16.61 13.92	15.94 12.61	16.86 13.58	17.06 13.11	17.26 13.22	16.74 13.56	17
18	17.47 13.99	15.51 12.32	16.29 13.09	15.99 13.03	16.64 13.35	15.74 12.23	16.62 13.68	16.33 13.28	17.39 13.86	17.11 12.91	17.09 13.12	16.63 13.62	18
19	17.14 13.91	15.32 12.10	16.09 13.04	15.98 12.64	16.69 13.16	15.71 12.14	16.88 14.01	16.64 13.73	17.56 13.58	17.24 12.98	16.90 13.01	16.37 13.58	19
20	16.39 13.59	15.44 12.17	16.04 13.11	16.04 12.47	16.94 13.27	15.76 12.16	16.88 14.05	17.02 13.91	17.57 13.42	17.21 12.96	16.69 12.97	16.54 13.84	20
21	16.10 13.13	15.70 12.50	16.08 13.11	16.34 12.59	16.89 13.03	16.32 12.68	17.12 14.07	17.27 13.73	17.76 13.36	17.06 12.93	16.38 12.97	16.59 13.81	21
22	16.11 13.04	16.00 12.92	16.29 13.09	16.49 12.57	16.89 14.13	16.38 12.88	17.01 13.99	17.22 13.29	17.56 13.26	17.13 12.97	16.36 13.26	16.68 13.79	22
23	16.28 13.24	16.25 13.18	16.49 13.09	16.56 13.62	16.71 12.99	16.42 12.91	17.14 14.03	17.45 13.49	17.36 13.08	16.81 12.98	16.18 13.24	16.38 13.59	23
24	16.24 13.40	16.09 12.80	16.62 12.97	16.76 12.56	16.64 12.97	16.00 12.67	17.46 14.16	17.65 13.48	17.03 12.83	16.51 12.92	16.17 13.24	16.40 13.24	24
25	16.15 13.31	16.13 12.70	16.62 14.13	16.66 12.71	16.44 12.99	15.89 13.01	17.73 14.08	17.61 13.46	16.66 12.70	16.01 12.63	16.20 13.36	16.48 13.16	25
26	16.13 13.21	16.39 13.60	16.71 12.79	16.58 12.65	16.21 13.11	16.01 12.81	17.73 14.01	17.50 13.45	16.40 12.98	16.06 12.71	16.27 13.21	15.67 13.09	26
27	15.98 13.33	16.37 12.95	16.66 12.86	16.39 12.66	16.19 13.07	16.28 13.06	17.40 13.46	17.13 13.25	16.20 12.99	16.66 13.51	16.50 13.10	16.74 13.27	27
28	15.96 12.90	16.46 12.64	16.57 12.79	16.23 12.67	16.15 12.99	16.98 13.48	17.03 13.26	17.07 13.36	16.28 12.88	16.74 13.91	15.36 13.06	16.71 13.29	28
29	16.27 12.85	16.40 12.62	16.34 12.66	15.86 12.72	15.86 12.72	16.91 13.43	16.67 13.17	16.40 12.95	16.23 12.86	15.41 13.61	16.67 13.05	16.81 13.29	29
30	16.38 12.90	16.37 12.53	16.27 12.62	16.92 12.97	16.92 12.97	16.93 13.29	16.33 13.13	15.80 13.15	16.20 13.28	16.69 13.38	16.89 13.14	16.75 13.34	30
31	16.39 12.88	15.97 12.66	17.35 12.66	17.35 12.66	17.35 12.66	16.86 13.56	16.86 13.56	16.61 13.53	16.86 13.34	16.86 13.34	16.93 13.02	16.98 12.97	31
MAXIMUM	NR	16.87	16.94	17.35	18.52	16.98	17.73	17.65	17.76	17.24	17.26	16.98	MAXIMUM
MINIMUM	NR	12.10	12.32	12.41	12.97	12.14	12.49	12.65	12.70	12.63	12.76	12.97	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R. M D O B M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
37 59 25	121 34 49	SW30 2N 4E		10.0	12/26/55		MAR 45-DATE	1945		0.00	USED
								1945		-3.0	USCGS

Station located on American Island (formerly Holland Tract) 1.2 mi. N of Rock Slough, 4.7 mi. NE of Knightsen. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

TABLE 270
DAILY MAXIMUM AND MINIMUM TIDES

OLO RIVER AT HOLLAND TRACT

in feet

STATION NO	WATER YEAR
895140	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	16.95 13.92	17.21 13.58	17.12 13.37	16.46 13.39	18.54 15.43E	16.90 13.61E	17.31 13.90	16.96 13.83	17.55 14.55	17.19 13.95	17.72 14.01	17.74 13.94	
2	17.32 14.08	17.14 13.60	16.95 13.31	16.61 13.34	18.63 15.31	17.36 13.87E	16.80 13.55	16.88 14.05	17.58 14.68	17.46 13.90	17.94 14.12	17.59 13.85	2
3	17.26 14.19	17.22 13.46	16.49 13.41	16.89 13.55	19.14 16.25	17.27 13.61E	16.54 13.31	17.01 14.20	17.60 14.36	17.59 13.92	17.91 13.82	17.50 13.86	3
4	17.31 14.06	16.94 13.61	16.43 13.17	17.10 13.75	19.19 15.97	16.93 13.32E	16.59 13.63	17.11 14.31	17.50 14.10	17.72 13.79	17.81 13.80	17.79 14.61	4
5	17.23 13.84	16.63 13.51	16.46 13.28	17.24 13.80	18.99 15.47E	16.79 13.18	16.88 13.93	17.17 14.30	17.80 14.25	17.76 13.82	17.88 13.94	17.69 14.30	5
6	17.21 13.69	16.53 13.25	16.77 13.53	17.45 13.72	18.82 16.34	17.00 13.45	16.99 14.14	17.08 14.22	17.85 14.06	17.82E 13.82	17.85 13.94	17.23 14.16	6
7	17.21 13.49	16.52 13.32	16.94 13.77	17.53 13.64	18.72 15.12E	17.12 13.57	17.31 14.06	17.27 14.25	18.14 14.18	17.87 13.79	17.70 14.03	17.59 14.63	7
8	16.40 13.49	16.82 13.60	17.16 13.79	17.68 13.76	18.60 15.07E	17.10 13.73	17.31 14.31	17.58 14.23	18.31 14.16	17.85 13.62	17.43 13.93	17.72 14.55	8
9	17.08 13.46	17.16 13.97	17.41 13.72	17.93 15.11	18.46 14.90E	17.03 14.35	17.52 14.72	17.50 13.91	18.22 14.22	17.67 13.62	17.06 13.86	17.77 14.50	9
10	17.12 13.68	17.23 13.83	17.51 14.52	17.91 13.98	18.46 15.19	16.80 13.80	17.61 14.89	17.42 13.84	18.48 14.25	17.50 13.59	17.20 13.97	17.68 14.10	10
11	17.11 13.81	17.30 13.70	17.65 13.70	17.43 14.02	17.76 15.06E	16.69 13.72	17.64 14.72	17.42E 13.89	18.04 14.07	17.43 13.85	17.49 14.42	17.74 13.99	11
12	17.75 14.71	17.62 14.45	17.79 13.80	16.87 13.70	17.41 14.68E	16.37 13.84	17.74 14.81	17.42 13.73	17.89 14.09	17.31 14.03	17.55 14.32	16.69 13.96	12
13	18.19 15.02	17.66 13.86	17.54 13.76	16.63 13.18	17.28E 14.56E	16.29E 13.57	17.74 14.72	17.38 13.78	17.61 14.15	17.88 14.25	16.21 13.99	17.57 13.96	13
14	18.31 15.48	17.65 13.75	17.47 13.60	16.27 13.19	17.39E 14.74E	16.54 13.86	18.00 15.20	17.35 13.83	17.02 13.83	16.70 14.33	17.62 13.82	17.69 14.04	14
15	18.38 14.97	17.32 13.73	17.62 13.71	16.19 13.21	17.24E 14.78E	16.83 13.69	17.57 14.52	16.95 13.58	17.31 13.83	17.63 14.39	17.68 13.68	17.69 14.29	15
16	18.35 15.35	16.90 13.56	17.18 14.02	16.44 13.29	17.31 14.59E	16.65 14.04	17.18 14.52	16.76 13.50	17.43 14.23	17.78 14.13	17.92 14.04	17.77 14.31	16
17	18.38 14.89	16.49 13.23	17.02 13.86	16.54 13.49	17.29 14.20E	16.88 13.53	17.32 14.74	16.77 13.65	17.73 14.45	17.88 13.97	18.12 14.15	17.57 14.40	17
18	18.19 14.77	16.28 13.11	17.14 13.96	16.76 13.81	17.25E 13.93E	16.46 13.06	17.33 14.48	17.17 14.38	18.26 14.73	17.90 13.77	17.95 14.05	17.46 14.44	18
19	17.89 14.67	16.09 12.90	16.92 13.88	16.73 13.42	17.32 13.74E	16.41 12.96	17.62 14.80	17.46 14.54	18.43 14.46	18.05 13.83	17.73 13.94	17.23 14.45	19
20	17.18 14.34	16.24 12.95	16.89 13.95	16.79 13.24	17.57 13.88E	16.47 12.98	17.62 14.85	17.83 14.73	18.42 14.28	18.03 13.82	17.53 13.89	17.35 14.69	20
21	16.85 13.67	16.49 13.32	16.93 13.96	17.09 13.39	17.61 13.82	17.02 13.49	17.85 14.87	18.09 14.54	18.59 14.20	17.88 13.81	17.24 13.88	17.40 14.65	21
22	16.86 13.83	16.79 13.74	17.14 13.96	17.23 13.38	17.58 13.78	17.12 13.70	17.71 14.80	18.06 14.21	18.39 14.13	17.94 13.86	17.18 14.17	17.53 14.69	22
23	17.02 14.03	17.05 13.98	17.35 13.94	17.28 14.63	17.42 14.64	17.17 13.71	17.84 14.82	18.28 14.31	18.19 13.92	17.63 13.83	17.01 14.18	17.23 14.43	23
24	16.99 14.16	16.85 13.62	17.46 13.81	17.52 13.37	17.35 13.77	16.72 13.99	18.14 14.93	18.49 14.32	17.84 13.69	17.33 13.79	16.96 14.11	17.23 14.10	24
25	16.89 14.09	16.90 13.50	17.45 14.98	17.42 13.52	17.23 13.81	16.62 13.49	18.44 14.86	18.47 14.30	17.45 13.53	16.83 13.49	16.99 14.23	17.27 14.00	25
26	16.88 14.00	17.20 14.40	17.56 13.62	17.33 13.46	16.98 13.93	16.72 13.64	18.47 14.78	18.34 14.27	17.20 13.77	16.88 13.58	17.08 14.09	17.52 13.91	26
27	16.73 14.13	17.18 13.78	17.50 13.68	17.14 13.47	16.94 13.90	17.01 13.87	18.11 14.25	17.98 14.12	17.09 13.83	17.48 14.37	17.30 14.00	16.85 14.13	27
28	16.76 13.71	17.24 13.46	17.42 13.62	17.00 13.48	16.94E 13.81E	17.70 14.30	17.73 14.06	17.89 14.24	16.44 13.70	17.54 14.78	16.18 13.94	17.53 14.13	28
29	17.04 13.65	17.19 13.42	17.18 13.48	16.67 13.53		17.62 14.25	17.37 13.97	17.06 13.81	17.04 13.70	16.24 14.48	17.49 13.95	17.62 14.15	29
30	17.16 13.71	17.21 13.36	17.13 13.44	17.67 13.62		17.67 14.12	17.07 13.93	17.25 14.02	17.00 14.12	17.51 14.24	17.69 14.00	17.58 14.20	30
31	17.19 13.68		16.77 13.49	18.10 14.81		17.57 14.37		17.46 14.38		17.67 14.20	17.74 13.87		31
MAXIMUM	18.38 13.46	17.66 12.90	17.79 13.17	16.10 13.18	19.19 13.74E	17.70 12.96	18.47 13.31	18.49 13.50	18.59 13.53	18.05 13.49	18.12 13.68	17.79 13.85	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT	DATE			FROM	TO			
38 00 26	121 34 47	NW19 2N 4E						SEP 51-DATE	1951	1955	-2.61	USCGS

Station located approx. 1.5 mi. S of NE corner of Holland Tract. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 271
 DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
894200	1963

MOKELUMNE RIVER NEAR THORNTON

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.27 10.44	13.65 10.69	13.56 10.51	12.94 10.26	21.76 14.39	13.54 11.34	15.50 14.41	NR NR	16.89 16.48	13.72 11.42	13.89 10.48	13.93 10.47	1
2	13.62 10.60	13.60 10.67	13.43 10.36	12.97 10.01	24.48 21.76	13.87 11.58	14.77 13.77	NR NR	16.62 15.77	13.88 10.91	14.02 10.56	13.82 10.40	2
3	13.55 10.70	13.63 10.51	12.88 10.39	13.25 10.00	24.14 21.77	13.51 10.99	14.22 13.67	NR NR	15.94 15.35	13.91 10.78	14.03 10.37	13.73 10.36	3
4	13.58 10.57	13.42 10.64	12.71 9.51E	13.43 10.31	21.77 19.79	13.67 10.84	13.66 12.75	NR NR	15.43 14.89	13.94 10.55	13.98 10.35	13.95 11.11	4
5	13.49 10.35	13.12 10.52	12.82 9.62	13.63 10.63	19.79 19.10	13.39 11.60	13.73 12.19	NR NR	15.34 14.71	14.00 10.49	13.97 10.40	13.84 10.77	5
6	13.47 10.21	13.05 10.26	13.13 9.88	13.81 11.08	19.10 17.76	13.85 10.72	13.82 12.09	NR NR	15.06 13.89	14.06 10.51	13.95 10.41	13.41 10.53	6
7	12.67 10.03	13.06 10.28	13.26 10.12	14.06 10.66	17.76 15.92	13.91 11.81	19.33 12.88	15.42 14.95	15.00 13.96	14.07 10.59	13.85 10.47	13.78 10.93	7
8	13.49 10.03	13.36 10.51	13.47 10.32	14.22 11.22	15.69 15.19	13.91 11.86	20.16 19.33	15.50 15.02	15.12 14.02	14.03 10.28	13.65 10.38	13.88 10.98	8
9	13.37 10.03	13.65 10.83	13.68 10.25	14.39 11.34	15.37 14.63	13.89 11.89	20.01 19.21	15.53 15.04	15.04 13.81	13.89 10.26	13.31 10.19	13.94 11.01	9
10	13.39 10.29	13.68 10.91	13.76 10.19	14.37 11.56	15.29 14.63	13.67 11.87	19.21 18.42	16.25 15.34	15.01 13.08	13.74 10.21	13.46 10.29	12.72 10.64	10
11	13.59 10.55	13.74 10.74	13.86 10.19	13.84 11.45	14.89 14.38	13.41 11.69	18.31 17.86	16.87 16.25	14.59 12.67	13.68 10.43	13.72 10.74	13.86 10.56	11
12	14.17 11.47	14.00 10.65	13.94 10.31	13.46 10.95	14.51 13.89	13.04 10.92	17.96 17.71	17.21 16.87	14.62 13.19	13.59 10.54	12.68 10.68	13.92 10.54	12
13	14.58 11.92	14.00 10.83	13.78 10.30	13.17 10.72	14.92 13.64	13.04 11.17	17.66 16.86	17.31 17.04	14.53 13.24	13.62 10.70	13.77 10.38	13.82 10.54	13
14	14.89 12.68	13.98 10.68	13.73 10.12	12.81 10.64	17.25 14.92	13.34 11.39	16.76 16.38	17.16 16.64	14.36 12.63	13.73 10.77	13.77 10.18	13.87 10.63	14
15	17.39 14.24	13.74 10.65	13.91 10.20	12.73 10.52	17.22 16.09	13.54 11.51	19.16 16.38	16.76 16.39	14.19 12.52	13.85 10.89	13.80 10.11	13.99 11.01	15
16	17.19 15.38	13.33 10.46	13.52 10.54	12.96 10.55	16.09 14.94	13.79 11.61	NR NR	16.54 16.23	14.16 12.39	13.97 10.65	13.98 10.46	14.03 11.01	16
17	14.88 13.59	12.88 10.10	13.63 10.96	13.09 10.67	14.95 14.11	13.44 10.96	NR NR	16.39 16.12	14.37 12.87	13.99 10.51	14.20 10.62	13.61 11.05	17
18	14.59 12.49	12.53 9.94	13.78 11.74	13.24 10.84	14.58 13.46	13.04 10.39	NR NR	16.44 16.27	14.84 13.82	14.00 10.33	14.03 10.49	13.75 11.07	18
19	14.27 11.81	12.56 9.70	13.46 11.23	13.11 10.62	14.34 13.52	12.94 10.32	NR NR	16.69 16.51	15.09 13.74	14.10 10.45	13.86 10.38	13.53 10.98	19
20	13.64 11.24	12.68 9.73	13.37 10.76	13.29 10.54	14.37 12.92	13.04 10.31	NR NR	16.92 16.75	14.97 13.61	14.10 10.41	13.69 10.30	13.67 11.21	20
21	13.59 10.59	12.93 10.05	13.36 10.61	13.61 11.27	14.28 12.72	13.66 10.74	NR NR	17.09 16.83	15.29 14.23	14.03 10.40	13.45 10.27	13.71 11.21	21
22	13.31 10.40	13.20 10.39	13.56 10.90	13.72 10.67	14.17 12.44	13.93 11.42	NR NR	17.05 16.74	15.16 13.79	14.09 10.45	13.41 10.54	13.80 11.21	22
23	13.44 10.52	13.43 10.61	13.68 10.51	13.79 10.69	14.10 12.20	13.84 11.13	NR NR	17.06 16.71	14.72 12.40	13.85 10.42	13.29 10.55	13.49 11.02	23
24	13.41 10.69	13.31 10.75	13.68 10.45	13.98 10.74	14.00 12.00	13.57 11.11	NR NR	17.03 16.64	14.31 11.69	13.64 10.28	13.25 10.43	13.51 10.66	24
25	13.30 10.60	13.37 10.38	13.77 10.29	13.91 10.89	13.65 11.90	13.51 11.61	NR NR	16.99 16.64	14.01 11.17	13.13 9.98	13.30 10.49	13.56 10.56	25
26	13.52 10.69	13.65 10.32	13.88 10.20	13.84 10.85	13.65 11.83	13.59 11.62	NR NR	17.13 16.79	13.82 11.22	12.71 10.00	13.37 10.46	12.77 10.53	26
27	13.37 11.20	13.58 10.60	13.85 10.28	13.67 10.83	13.55 11.69	13.82 11.59	NR NR	17.16 16.91	13.57 11.06	13.19 10.76	12.26 10.36	13.78 10.70	27
28	13.35 10.90	13.68 10.32	13.73 10.19	13.52 10.81	13.62 11.60	15.31 12.47	NR NR	17.21 16.76	13.64 10.84	13.71 11.09	13.57 10.33	13.79 10.71	28
29	13.60 10.82	13.68 10.58	13.63 10.30	13.31 10.78	13.31 11.67	19.37 15.31	NR NR	16.95 16.66	13.61 11.16	13.76 10.89	13.71 10.36	13.86 10.78	29
30	13.67 10.83	13.66 10.57	13.54 10.26	14.21 10.94	13.67 11.67	19.16 17.19	NR NR	17.11 16.88	13.64 11.49	13.73 10.64	13.90 10.48	13.84 10.81	30
31	13.66 10.79	13.66 10.57	13.25 10.38	14.57 12.07	13.67 11.67	17.19 15.39	NR NR	17.06 16.69	13.83 10.64	13.89 10.41	13.89 10.41		31
MAXIMUM	17.39 10.03	14.00 9.70	13.94 9.51E	14.57 10.00	24.48 11.60	19.37 10.31	NR NR	NR NR	16.89 10.84	14.10 9.98	14.20 10.11	14.03 10.36	MAXIMUM MINIMUM

E - Estimated
 NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-11-62	0900	17.49	2-14-63	2330	17.25	4-8-63	1920	20.16			
2-2-63	1330	24.48	3-29-63	1630	19.37						

* In order to machine print as the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height. A tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T & R M D.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO	
36 15 20	121 26 21	NW28 5N 5E		10.4	2/16/62		FEB 59-DATE	1959		0.4 USCGS

Station located at highway bridge, 2.4 mi. NW of Thornton. Also known as "Mokelumne River at Benson's Ferry". Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

* TABLE 7c
DAILY MAXIMUM AND MINIMUM TIDES

SOUTH FORK MOKELUMNE RIVER AT NEW HOPE BRIDGE ^{in feet}

STATION NO	WATER YEAR
B94150	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.47 10.53	13.62 10.58	13.55 10.40	NR NR	12.53	13.35 10.12	13.86 10.88	13.63 10.97	14.12 11.51	13.67 10.76	14.09 10.58	14.14 10.43	1
2	13.79 10.64	13.60 10.51	13.40 10.28	NR NR	18.62 13.24	13.81 10.53	13.36 10.42	13.56 10.99	14.11 11.57	13.94 10.67	14.30 10.68	14.00 10.45	2
3	13.71 10.73	13.65 10.38	12.86 10.37	NR NR	18.17 16.24	13.42 9.93	13.06 10.11	13.73 11.09	14.11 11.07	14.07 10.71	14.30 10.44	13.92 10.47	3
4	13.74 10.64	13.42 10.49	12.70 9.46	13.39 10.07	16.82 15.74	13.31 9.73	13.12 10.31	13.79 11.19	13.99 10.87	14.15 10.55	14.24 10.42	14.22 11.18	4
5	13.64 10.42	13.08 10.40	12.78 9.55	13.59 10.22	15.92 14.39	13.25 9.68	13.42 11.05	13.84 11.17	14.31 11.05	14.20 10.53	14.28 10.51	14.12 10.88	5
6	13.61 10.29	13.02 10.13	13.08 9.82	13.79 10.18	15.56 13.51	13.74 10.83	13.52 10.54	13.76 11.15	14.31 11.27	14.28 10.55	14.26 10.51	13.59 10.64	6
7	13.63 10.10	13.06 10.16	13.23 10.09	14.14 10.89	15.33 12.76	13.82 10.91	14.12 10.85	13.92 11.17	14.69 11.39	14.31 10.62	14.14 10.57	14.02 11.07	7
8	12.83 10.08	13.37 10.36	13.47 10.16	14.31 10.87	15.15 12.21	13.81 10.93	14.71 12.38	14.11 11.15	14.82 11.32	14.24 10.35	13.86 10.48	14.14 11.09	8
9	13.51 10.07	13.71 10.67	13.71 10.61	14.51 10.96	15.00 11.93	13.78 10.98	14.93 13.26	14.04 10.96	14.75 11.34	14.11 10.35	13.49 10.32	14.20 11.14	9
10	13.53 10.30	13.72 10.80	13.80 10.11	14.45 11.16	14.96 12.18	13.49 10.98	14.63 12.77	13.97 11.92	14.88 11.29	13.91 10.30	13.59 10.42	14.13 10.74	10
11	13.73 10.49	13.86 10.59	13.96 10.10	13.91 11.06	14.32 12.02	13.36 10.81	14.46 12.28	14.21 11.20	14.49 11.09	13.82 10.50	13.92 10.84	12.99 10.64	11
12	14.34 11.43	14.18 10.53	14.06 10.18	13.46 10.61	13.97 11.55	13.00 10.61	14.49 12.26	14.02 11.17	14.93 11.13	13.78 10.63	12.77 10.81	14.15 10.67	12
13	14.69 11.64	14.15 10.68	13.84 10.17	13.19 10.37	13.86 11.44	12.87E 10.49	14.45 12.02	13.99 11.19	14.11 11.16	13.38 10.80	13.97 10.52	14.03 10.64	13
14	14.82 12.12	14.15 10.61	13.77 9.98	12.82 10.28	14.04 11.70	13.21 10.76	14.66 12.41	13.92 11.14	13.50 10.77	13.95 10.87	14.02 10.35	14.14 10.74	14
15	15.08 11.85	13.84 10.56	13.98 10.10	12.76 10.22	13.94 11.91	13.46E 10.61	14.28 12.26	13.51 10.84	13.85 11.02	14.08 10.52	14.08 10.25	14.21 11.07	15
16	14.97 12.38	13.37 10.40	13.51 10.37	12.98 10.25	13.90 11.54	13.68 11.71	14.26 12.49	13.38 10.72	13.99 11.17	14.22 10.77	14.32 10.59	14.26 11.09	16
17	14.83 11.71	12.90 10.06	13.45 10.27	13.10 10.38	13.80 11.13	13.51E 10.43E	14.26 12.38	13.39 10.77	14.29 11.43	14.32 10.61	14.54 10.72	13.99 11.11	17
18	14.63 11.46	12.55 9.91	13.57 10.43	13.25 10.57	13.82 10.84	13.26E 10.05E	14.18 12.08	13.74 11.18	14.77 11.74	14.31 10.43	14.32 10.62	13.89 11.15	18
19	14.27 11.22	12.55 9.68	13.33 10.33	13.12 10.30	13.82 10.67	13.41E 9.93	14.46 12.31	14.09 11.64	14.96 11.56	14.45 10.55	14.13 10.50	13.64 11.07	19
20	13.59 10.83	12.68 9.71	13.32 10.31	13.31 10.20	14.12 10.75	13.11E 9.96	14.39 12.28	14.52 11.91	14.94 11.34	14.42 10.48	13.90 10.44	13.79 11.29	20
21	13.24 10.21	12.93 10.03	13.33 10.37	13.65 10.35	14.07 11.59	13.54E 10.43	14.66 12.76	14.77 11.82	15.15 11.29	14.33 10.49	13.65 10.40	13.82 11.27	21
22	13.26 10.20	13.22 10.38	13.56 10.34	13.77 11.22	13.98 10.55	13.78E 10.78	14.52 12.31	14.74 11.54	14.95 11.23	14.40 10.53	13.61 10.67	13.89 11.27	22
23	13.40 10.36	13.48 10.59	13.73 10.33	13.84 10.35	13.93 10.45	13.72E 11.48	14.65 12.21	14.92 11.64	14.64 10.87	14.05E 10.50	13.42 10.68	13.57 11.09	23
24	13.36 10.51	13.33 10.71	13.73 11.11	14.05 10.35	13.84 10.43	13.46 10.72	14.90 12.30	15.08 11.54	14.29 10.61	14.77E 10.39	13.38 10.57	13.57 10.76	24
25	13.25 10.42	13.36 10.33	13.81 10.23	13.98 10.50	13.71 10.46	13.38 10.78	15.13 12.23	15.01 11.59	13.92 10.44	12.20E 10.67	13.41 10.54	13.63 10.67	25
26	13.50 10.48	13.68 10.24	13.87 10.06	13.93 10.48	13.47 10.50	13.48 10.91	15.18 12.13	14.94 11.62	13.77 10.62	13.29 10.10	13.48 10.50	13.87 10.61	26
27	13.32 11.75	13.59 10.50	NR NR	13.74 10.46	13.35 10.39	13.76 11.05	14.78 11.69	14.55 11.44	13.52 10.66	13.85E 10.84	13.70 10.50	13.24 10.76	27
28	13.35 10.74	13.71 10.24	NR NR	13.56 10.46	13.42 10.36	14.45 11.95	14.41 11.34	14.48 11.48	13.59 10.46	12.93 11.20	12.51 10.48	13.89 10.75	28
29	13.61 10.67	13.70 10.44	NR NR	13.36 10.45	14.53 11.76	14.03 11.09	13.95 11.09	13.95 11.11	13.56 10.38	13.95 11.00	13.86 10.53	14.01 10.83	29
30	13.69 10.69	13.65 10.43	NR NR	14.28 10.81	14.57 11.85	13.68 10.97	13.87 10.97	13.87 10.78	13.48 10.75	13.88E 10.74	14.11 10.61	13.99 10.86	30
31	13.67 10.62	NR NR	NR NR	14.87 11.91	NR NR	14.26 11.51	NR NR	14.07 11.47	NR NR	14.04 10.74	14.12 10.52	NR NR	31
MAXIMUM	15.08	14.18	14.06	14.87	18.62	14.57	15.18	15.08	15.15	14.45	14.54	14.26	MAXIMUM
MINIMUM	10.07	9.68	9.46	NR	10.36	9.68	10.11	10.72	10.38	10.07	10.25	10.45	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In order to machine process the data in this table, it was necessary to record negative tide stage height. Subtract 10.00 feet to obtain recorded gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.B.R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 13 36	124 29 26	NW 1 4N 4E		11.7	12.25 58	AUG 19-DATE	1.22	1.40	1.26	USED	
							1.54		1.54	URCGS	
							1.40		2.14	USED	

Station located on Staten Island, S. of Walnut Grove-Thomas Highway interchange, 3.8 mi. W. of Tappan.
Station affected by tidal action. Maximum gage ht. listed does not include maximum diurnal range.

DAILY MAXIMUM AND MINIMUM TIDES

SNOODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE in feet

STATION NO	WATER YEAR
891740	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	14.30 12.03	14.84 12.35	14.75 12.25	13.82 11.43	16.14 14.12	14.19 11.69	14.96 12.41	14.59 12.17	15.11 12.86	14.60 12.28	15.04 12.17	15.08 12.22	1
2	14.71 12.14	14.75 12.31	14.60 12.14	13.87 11.29	21.91 A 16.44 A	14.64 11.95	14.46 11.99	14.46 12.36	15.09 12.86	14.90 12.27	15.27 12.34	14.93 12.16	2
3	14.65 12.28	14.80 12.17	14.11 12.17	14.16 11.39	21.63 A 19.81 A	14.31 11.40	14.16 11.67	14.63 12.44	15.00 12.41	15.02 12.29	15.25 12.13	14.82 12.27	3
4	14.70 12.23	14.63 12.26	13.69 11.11	14.29 11.57	19.81 A 18.46 A	14.22 11.28	14.08 12.40	14.68 12.96	14.85 12.29	15.11 12.11	15.15 12.10	15.11 12.79	4
5	14.60 12.04	14.26 12.16	13.73 11.13	14.46 11.73	NR NR	14.23 12.23	14.31 11.77	14.72 12.69	15.16 12.51	15.16 12.22	15.18 12.18	15.04 12.49	5
6	14.58 11.89	14.17 11.90	13.99 11.32	14.65 12.07	NR NR	14.86 11.34	14.40 12.02	14.64 12.51	15.15 12.73	15.26 12.22	15.13 12.20	14.59 12.31	6
7	13.75 11.74	14.19 11.90	14.15 11.58	15.00 11.74	NR NR	14.98 12.65	15.07 12.30	14.84 12.58	15.68 12.88	15.27 12.29	15.02 12.26	14.96 12.65	7
8	14.43 11.70	14.43 12.09	14.33 11.75	15.30 12.57	NR NR	14.92 12.66	16.82 14.39	15.04 12.63	15.86 12.83	15.23 12.12	14.82 12.12	15.08 12.59	8
9	14.41 11.71	14.75 12.37	14.55 11.71	15.54 12.67	NR NR	14.86 12.65	16.90 16.10	14.98 12.38	15.75 12.83	15.07 12.08	14.50 12.02	15.14 12.74	9
10	14.42 11.93	14.80 12.51	14.65 11.65	15.47 12.85	NR NR	14.61 12.62	15.94 15.02	14.95 12.55	15.96 12.85	14.92 12.03	14.55 12.04	13.97 12.44	10
11	14.58 12.11	14.86 12.37	14.78 11.72	14.98 12.73	NR NR	14.50 12.40	15.60 14.27	15.21 12.78	15.67 12.57	14.85 12.16	14.84 12.41	15.05 12.34	11
12	15.33 12.98	15.14 12.32	14.91 11.81	14.61 12.31	15.03 13.29	14.18 12.18	15.64 14.12	15.11 12.76	15.43 12.61	14.78 12.25	13.96 12.39	15.12 12.39	12
13	15.61 13.28	15.16 12.49	14.74 11.80	14.33 12.10	14.99 13.14	14.03 12.09	15.59 13.77	15.11 12.81	15.18 12.63	14.75 12.30	14.89 12.18	15.05 12.37	13
14	15.79 13.78	15.14 12.41	14.67 11.64	14.03 11.97	15.16 13.24	14.33 12.32	15.82 14.10	15.05 12.71	15.02 12.26	14.88 12.35	14.93 12.03	15.11 12.49	14
15	16.03 13.65	14.90 12.34	14.91 11.76	13.92 11.86	15.05 13.57	14.56 12.16	15.48 14.24	14.66 12.41	14.83 12.26	14.97 12.57	14.97 11.98	15.19 12.75	15
16	15.88 14.15	14.49 12.16	14.53 11.98	14.12 11.86	15.02 13.05	14.84 12.47	15.79 A 14.24	14.51 12.22	14.94 12.63	15.15 12.42	15.18 12.24	15.28 12.84	16
17	15.80 13.55	14.09 11.81	14.37 11.82	14.22 11.95	14.90 12.62	14.60 12.07	15.54 14.38	14.45 12.31	15.22 12.52	15.25 12.30	15.39 12.44	15.07 12.82	17
18	15.65 13.24	13.74 11.66	14.47 11.90	14.37 12.08	14.91 13.07	14.21 11.70	15.35 13.96	14.77 12.73	15.67 13.24	15.22 12.15	15.22 12.31	14.96 12.83	18
19	15.35 13.01	13.72 11.42	14.29 11.74	14.19 11.87	14.90 12.40	14.14 11.66	15.61 14.17	15.03 13.12	15.91 13.06	15.36 12.28	15.04 12.18	14.76 12.75	19
20	14.69 12.61	13.83 11.40	14.28 11.69	14.39 11.81	15.14 12.26	14.21 11.68	15.52 14.47	15.45 13.46	15.86 12.94	15.33 12.21	14.84 12.07	14.88 12.94	20
21	14.73 12.05	14.07 11.68	14.27 11.75	14.68 12.44	15.06 12.38	14.73 12.10	15.69 14.13	15.69 13.46	16.08 12.86	15.24 12.23	14.62 12.06	14.89 12.92	21
22	14.43 11.98	14.31 11.97	14.47 12.05	14.76 11.95	14.88 12.26	14.94 12.47	15.56 14.13	15.61 13.23	15.88 12.76	15.31 12.25	14.59 12.29	15.02 12.89	22
23	14.49 12.07	14.55 12.17	14.63 11.81	14.79 11.98	14.82 12.19	14.90 13.04	15.65 13.98	15.80 13.28	15.57 12.41	15.01 12.18	14.44 12.26	14.74 12.74	23
24	14.45 12.23	14.44 12.31	14.62 11.85	14.99 11.97	14.74 12.16	14.58 12.40	15.88 14.12	15.94 13.32	15.22 12.25	14.81 12.06	14.39 12.09	14.76 12.41	24
25	14.29 12.14	14.46 12.02	14.73 11.77	14.91 12.14	14.59 12.14	14.51 12.46	16.09 14.03	15.92 13.26	14.95 12.00	14.37 11.71	14.40 12.11	14.79 12.29	25
26	14.75 12.17	14.73 11.97	14.81 11.67	14.84 12.09	14.37 12.16	14.63 12.58	16.09 13.89	15.89 13.31	14.73 12.17	14.30 11.63	13.47 12.14	14.02 12.26	26
27	14.61 12.87	14.67 12.24	14.77 11.75	14.67 12.07	14.19 12.01	14.90 12.69	15.79 13.43	15.56 13.13	14.83 12.16	14.17 12.30	14.49 12.04	15.01 12.41	27
28	14.57 12.61	14.79 11.97	14.67 11.67	14.56 12.06	14.29 11.90	15.57 12.76	15.42 13.00	15.54 13.09	14.60 11.97	14.85 12.60	14.72 12.09	15.03 12.44	28
29	14.76 12.49	14.81 12.22	14.50 11.57	14.42 12.04	15.56 13.21	15.72 13.96	14.74 12.40	14.91 12.76	14.47 12.11	14.87 12.31	15.09 12.24	15.05 12.57	29
30	14.84 12.50	14.84 12.29	14.44 11.51	15.37 12.39	15.79 13.50	15.32 13.13	15.05 12.88	15.05 12.88	15.01 12.32	15.01 12.32	15.09 12.19	15.28 12.16	30
31	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	14.81 12.42	31
MAXIMUM	16.03	15.16	14.91	15.79	21.91	15.72	16.90	15.94	16.08	15.36	15.39	15.28	MAXIMUM
MINIMUM	11.70	11.40	11.11	11.29	11.90	11.28	11.67	12.17	11.81	11.63	11.98	12.16	MINIMUM

E - Estimated
NR - No Record

CREST STAGES								
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 2-63	1520	21.91						

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T.&R. M.D.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 16 37	121 29 45	NW24 5N 4E		14.4	4/4/58			OCT 57-DATE	1963	-1.35	USCOS

Station located on Twin Cities Road (Laurel Lane) bridge, approx. 3 mi. NE of Walnut Grove. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

DAILY MAXIMUM AND MINIMUM TIDES

GEORGIANA SLOUGH AT MOKELUMNE RIVER

in feet

STATION NO	WATER YEAR
894100	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	13.31 10.28	13.57 10.01	13.50 9.83	12.87 9.85	15.02 12.06	13.28 10.08	13.68 10.41	13.39 10.34	13.89 10.94	13.56 10.43	14.16 10.41	14.06 10.28	1
2	13.74 10.43	13.55 9.99	13.35 9.73	12.96 9.76	15.27 12.08	13.71 10.40	13.14 10.03	13.31 10.54	13.89 11.08	13.82 10.39	14.36 10.51	13.95 10.24	2
3	13.66 10.54	13.54 9.87	12.81 9.86	13.26 9.94	15.81 13.04	13.42 9.91	12.88 9.80	13.48 10.73	13.89 10.63	13.96 10.36	14.34 10.21	13.83 10.18	3
4	13.71 10.39	13.34 10.01	12.76 9.58	13.46 10.18	15.78 12.63	13.24 9.64	12.92 10.14	13.59 10.82	13.81 10.49	14.15 10.21	14.28 10.25	14.17 10.99	4
5	13.64 10.20	12.99 9.89	12.85 9.68	13.62 10.24	15.45 12.13	13.19 9.62	13.26 10.44	13.65 10.77	14.12 10.66	14.12 10.22	14.31 10.22	14.04 10.69	
6	13.59 10.09	12.94 9.69	13.21 9.95	13.83 10.21	15.27 12.91	13.49 9.97	13.36 10.69	13.52 10.73	14.15 10.45	14.22 10.27	14.26 10.26	13.54 10.48	6
7	13.61 9.88	12.94 9.74	13.33 10.19	14.01 10.18	15.16 11.76	13.57 10.08	13.70 11.24	13.73 10.71	14.47 10.61	14.24 10.27	14.06 10.34	13.94 10.92	7
8	12.77 9.89	13.29 9.99	13.60 10.21	14.15 11.22	14.99 11.68	13.54 10.84	13.75 11.29	13.94 10.70	14.64 10.56	14.19 10.07	13.81 10.26	14.00 10.91	8
9	13.47 9.85	13.66 10.36	13.81 10.17	14.35 10.26	14.91 11.53	13.52 10.24	13.97 11.44	13.87 10.44	14.57 10.66	13.99 10.07	13.45 10.14	14.13 10.85	9
10	13.51 10.09	13.67 10.27	13.94 10.91	14.31 10.46	14.83 11.79	13.28 10.31	14.07 11.59	13.78 10.42	14.76 10.66	13.83 10.07	13.61 10.24	14.03 10.50	10
11	13.58 10.27	13.79 10.58	14.06 10.11	13.80 10.37	14.18 11.68	13.15 10.21	14.06 11.06	13.92 10.43	14.34 10.47	13.76 10.31	13.91 10.71	14.10 10.39	11
12	14.32 11.22	14.09 10.11	14.21 10.22	13.31 10.01	13.83 11.28	12.82 10.20	14.12 11.36	13.76 10.26	14.19 10.46	13.70 10.49	14.03 10.66	12.99 10.33	12
13	14.66 11.54	14.12 10.34	13.91 10.19	13.03 9.72	13.73 11.21	12.71 10.04	14.13 11.27	13.71 10.30	13.88 10.51	13.32 10.69	12.58 10.33	13.95 10.36	13
14	14.74 11.94	14.10 10.18	13.81 10.02	12.68 9.72	13.81 11.30	13.04 10.36	14.37 11.76	13.68 10.30	13.31 10.22	13.89 10.78	14.06 10.14	14.05 10.41	14
15	14.81 11.44	13.76 10.16	14.03 10.13	12.62 9.70	13.68 11.33	13.27 10.16	13.94 11.14	13.26 10.09	13.66 10.24	14.04 10.87	14.10 10.06	14.13 10.70	15
16	14.76 11.73	13.33 9.98	13.52 10.40	12.84 9.77	13.76 11.18	13.44 10.51	13.59 11.17	13.13 10.01	13.81 10.65	14.19 10.51	14.34 10.61	14.15 10.71	16
17	14.82 11.33	12.86 9.66	13.41 10.26	12.96 9.96	13.71 10.83	13.29 9.99	13.72 11.32	13.15 10.17	14.09 10.86	14.31 10.36	14.60 10.48	13.92 10.81	17
18	14.61 11.29	12.56 9.53	13.51 10.36	13.17 10.26	13.71 10.56	12.85 9.49	13.74 11.09	13.50 10.61	14.63 11.13	14.28 10.21	14.38 10.37	13.80 10.83	18
19	14.28 11.16	12.50 9.30	13.30 10.31	13.11 9.91	13.76 10.39	12.81 9.42	14.07 11.40	13.83 11.01	14.78 10.86	14.46 10.26	14.16 10.24	13.54 10.77	19
20	13.56 10.81	12.65 9.37	13.26 10.33	13.22 9.74	14.03 10.51	12.87 9.44	14.06 11.42	14.24 11.21	14.76 10.69	14.42 10.23	13.90 10.17	13.70 11.02	20
21	13.22 10.22	12.88 9.74	13.29 10.42	13.56 9.90	14.02 10.34	13.47 9.94	14.29 11.47	14.49 11.07	15.01 10.66	14.31 10.21	13.56 10.16	13.74 10.99	21
22	13.21 10.23	13.20 10.17	13.55 10.41	13.71 9.88	13.97 11.30	13.67 10.29	14.17 11.36	14.43 10.77	14.76 10.56	14.37 10.24	13.46 10.44	13.84 11.01	22
23	13.37 10.39	13.45 10.39	13.76 10.41	13.76 9.89	13.91 10.32	13.64 10.19	14.29 11.37	14.68 10.85	14.53 10.35	14.05 10.25	13.29 10.48	13.54 10.77	23
24	13.35 10.57	13.28 10.01	13.81 10.26	13.96 11.14	13.81 10.30	13.19 9.98	14.59 11.47	14.81 10.85	14.13 10.15	13.78 10.21	13.26 10.41	13.54 10.44	24
25	13.24 10.49	13.31 9.91	13.87 11.37	13.90 10.05	13.66 10.31	13.09 10.31	14.89 11.45	14.76 10.76	13.82 10.01	13.18 9.92	13.32 10.54	13.58 10.36	25
26	13.29 10.43	13.62 10.80	13.96 10.10	13.81 9.99	13.38 10.39	13.21 10.21	14.90 11.34	14.67 10.76	13.59 10.26	13.29 9.98	13.38 10.41	13.82 10.27	26
27	13.15 10.14	13.56 10.18	13.93 10.18	13.65 9.99	13.28 10.34	13.50 10.37	14.57 10.82	14.28 10.59	13.48 10.28	13.82 10.74	13.66 10.29	13.17 10.47	27
28	13.16 10.54	13.66 9.88	13.81 10.11	13.40 10.01	13.36 10.31	14.21 10.79	14.17 10.62	14.21 10.70	12.76 10.18	13.93 11.13	12.46 10.25	13.84 10.44	28
29	13.47 10.09	13.61 9.89	13.62 9.98	13.26 10.01	14.09 10.89	14.09 10.49	13.81 10.49	13.36 10.32	13.42 10.13	12.58 10.86	13.84 10.28	13.91 10.52	29
30	13.55 10.14	13.61 9.81	13.52 9.92	14.18 10.41	14.12 10.71	14.12 10.71	13.46 10.46	13.63 10.49	13.38 10.57	13.91 10.61	14.02 10.36	13.91 10.54	30
31	13.59 10.09		13.18 9.94	14.65 11.47	13.94 10.91	13.94 10.91	13.76 10.81		14.06 10.61		14.01 10.24		31
MAXIMUM	14.82	14.12	14.21	14.65	15.81	14.21	14.90	14.81	15.01	14.46	14.60	14.17	MAXIMUM
MINIMUM	9.85	9.30	9.58	9.70	10.30	9.42	9.80	10.01	10.01	9.92	10.06	10.18	MINIMUM

E - Estimated
NR - No Record

CREST STAGES												
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.D.88M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
26 07 48	121 34 46	NE12 3N 3E		7.1	10 26 55		JUN 29-DATE	1940	1940	0.00	USED
								1940		0.00	USCGS
								1940		7.11	USED

Station located on Andrus Island, 2.8 mi. SE of Islet n. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge.

• TABLE 271
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT SAN ANDEAS LANDING

in feet

STATION NO	WATER YEAR
695100	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	15.97 13.03	16.23 12.71	16.14 12.43	15.46 12.44	17.58 14.55	15.89 12.66	16.30 12.88	16.01 12.89	16.47 13.59	16.19 13.09	16.65 13.02	16.71 12.96	1
2	16.34 13.19	16.19 12.67	15.98 12.34	15.59 12.39	17.70 14.39	16.33 12.99	15.74 12.57	15.92 13.10	16.48 13.69	16.48 12.99	16.84 13.10	16.55 12.89	2
3	16.24 13.23	16.22 12.57	15.47 12.50	15.87 12.60	18.27 15.31	16.11 12.51	15.48 12.31	16.09 13.24	16.49 13.25	16.64 13.00	16.84 12.85	16.47 12.90	3
4	16.26 13.12	15.97 12.71	15.41 12.24	16.07 12.81	18.28 14.94	15.86 12.21	15.56 12.66	16.16 13.41	16.40 13.10	16.71 12.81	16.75 12.80	16.78 13.56	4
5	16.24 12.90	15.61 12.58	15.47 12.32	16.24 12.84	17.99 14.53	15.82 12.21	15.86 12.96	16.21 13.36	16.72 13.28	16.78 12.80	16.80 13.00	16.64 13.30	5
6	16.19 12.76	15.56 12.36	15.82 12.61	16.45 12.79	17.82 14.20	16.08 12.51	15.96 13.18	16.12 13.26	16.75 13.10	16.86 12.82	16.84 12.96	16.11 13.09	6
7	16.24 12.60	15.56 12.42	15.89 12.79	16.54 12.70	17.73 14.11	16.17 12.63	16.31 13.71	16.31 13.27	17.11 13.19	16.88 12.83	16.66 13.03	16.50 13.55	7
8	15.40 12.58	15.86 12.68	16.11 12.75	16.72 12.81	17.59 15.15	16.16 12.79	16.34 13.73	16.54 13.23	17.26 13.15	16.82 12.63	16.43 12.95	16.64 13.54	8
9	16.11 12.60	16.23 13.03	16.33 12.65	16.96 14.19	17.55 13.98	16.13 12.88	16.54 13.74	16.48 12.94	17.19 13.24	16.68 12.62	16.03 12.83	16.67 13.51	9
10	16.14 12.78	16.29 12.89	16.44 12.63	16.93 13.03	17.47 14.29	15.86 12.80	16.71 13.98	16.39 12.92	17.44 13.30	16.48 12.61	16.13 12.98	16.64 13.10	10
11	16.14 12.92	16.36 12.75	16.59 13.76	16.39 12.94	16.77 14.17	15.76 13.22	16.66 13.80	16.54 12.89	17.03 13.09	16.38 12.88	16.46 13.42	16.68 13.02	11
12	16.95 13.83	16.70 13.63	16.73 12.72	15.87 12.59	16.39 13.77	15.41 12.83	16.76 13.82	16.36 12.74	16.82 13.12	16.31 13.06	16.52 13.33	15.61 12.96	12
13	17.29 14.12	16.72 12.92	16.50 12.71	15.64 12.27	16.29 13.71	15.28 12.61	16.77 13.77	16.34 12.80	16.52 13.12	16.48 13.26	15.11 12.98	16.53 12.92	13
14	17.35 14.56	16.70 12.80	16.41 12.56	15.28 12.29	16.38 13.86	15.61 12.98	17.02 14.21	16.28 12.79	16.27 12.82	15.65 13.36	16.58 12.83	16.61 13.01	14
15	17.40 14.02	16.36 12.80	16.63 12.68	15.19 12.29	16.24 13.89	15.88 12.76	16.58 13.53	15.89 12.61	15.59 12.87	16.60 13.44	16.62 12.69	16.69 13.29	15
16	17.36 14.32	15.91 12.63	16.10 12.99	15.44 12.39	16.32 13.75	16.03 13.12	16.18 13.58	15.57 12.54	16.42 13.25	16.76 13.15	16.87 13.03	16.73 13.30	16
17	17.41 13.89	15.46 12.29	15.99 12.86	15.57 12.62	16.29 13.40	15.91 12.58	16.28 13.81	15.74 12.70	16.72 13.48	16.88 13.01	17.08 13.14	16.51 13.38	17
18	17.26 13.84	15.20 12.17	16.09 12.96	15.77 12.94	16.29 13.12	15.48 12.12	16.34 13.53	16.12 13.16	17.20 13.74	16.86 12.81	16.86 13.05	16.58 13.43	18
19	16.95 13.82	15.11 11.97	15.92 12.97	15.71 12.55	16.34 12.93	15.42 12.03	16.66 13.82	16.46 13.60	17.42 13.43	17.05 12.86	16.68 12.93	16.13 13.41	19
20	16.21 13.47	15.22 12.02	15.87 13.00	15.79 12.36	16.64 13.02	15.46 12.01	16.63 13.85	16.89 13.74	17.40 13.27	17.01 12.84	16.47 12.88	16.26 13.65	20
21	15.89 13.04	15.47 12.37	15.87 13.02	16.11 12.52	16.62 12.84	16.06 12.52	16.88 13.86	17.16 13.61	17.62 13.22	16.88 12.83	16.17 12.89	16.33 13.63	21
22	15.82 12.95	15.76 12.82	16.13 12.98	16.25 12.46	16.59 12.77	16.22 12.78	16.74 13.80	17.11 13.29	17.42 13.14	16.98 12.87	16.13 13.16	16.45 13.66	22
23	16.06 13.14	16.03 13.07	16.33 13.01	16.31 12.44	16.47 12.77	16.26 12.73	16.83 13.79	17.31 13.36	17.13 12.92	NR NR	15.99 13.20	16.13 13.42	23
24	16.01 13.30	15.86 12.65	16.43 12.84	16.55 12.62	16.39 13.64	15.76 12.56	17.16 13.93	17.52 13.37	16.82 12.74	NR NR	15.93 13.17	16.15 13.09	24
25	15.92 13.22	15.91 12.57	16.48 12.67	16.46 12.57	16.24 12.84	15.68 12.69	17.46 13.85	17.48 13.30	16.44 12.58	NR NR	15.96 13.28	16.22 12.99	25
26	15.92 13.18	16.22 12.82	16.64 14.15	16.37 13.69	15.98 12.93	15.78 12.88	17.48 13.76	17.34 13.29	16.20 12.84	NR NR	16.08 13.16	16.48 12.93	26
27	15.78 12.81	16.18 13.78	16.58 12.78	16.16 12.57	15.89 12.88	16.08 13.02	17.13 13.29	16.96 13.14	16.08 12.87	16.36 13.34	16.29 13.05	16.49 13.15	27
28	15.78 12.76	16.25 12.51	16.46 12.70	15.99 12.59	15.94 12.91	16.81 13.34	16.72 13.06	16.84 13.24	16.05 12.82	16.48 13.76	16.48 13.00	15.93 13.15	28
29	16.10 13.55	16.20 12.48	16.23 12.57	15.79 12.62	16.72 12.62	16.71 13.31	16.38 12.96	15.99 12.86	14.62 12.80	16.24 13.50	15.45 13.03	16.56 13.15	29
30	16.20 12.79	16.21 12.41	16.16 12.51	16.76 12.95		16.71 13.13	16.02 12.96	16.24 13.09	16.02 13.21	15.06 13.24	16.70 13.05	16.53 13.20	30
31	16.22 12.78		15.80 12.56	17.19 13.97		16.56 13.38		16.42 13.43		16.53 13.18	16.68 12.95		31
MAXIMUM	17.41 12.98	16.72 11.97	16.73 12.24	17.19 12.27	18.28 12.77	16.81 12.01	17.48 12.31	17.52 12.54	17.62 12.56	NR	17.08 12.69	16.78 12.89	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

* In some months the data in this table, it was necessary to use negative gage heights. Such a gage height is obtained by subtracting the gage height from zero.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
								MAY - DATE	1962		-2.84	USCGS

TABLE 276
DAILY MAXIMUM AND MINIMUM TIDES
THREEMILE SLOUGH AT SAN JOAQUIN RIVER

STATION NO B95060	WATER YEAR 1963
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in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.64 10.26	12.87 10.03	12.71 9.84	12.00 9.86	14.18 11.68	12.86 9.66	13.25 9.83	12.83 9.81	13.35 10.54	13.14 10.08	13.58 10.08	13.48 9.97	1
2	13.03 10.38	12.86 10.03	12.65 9.73	12.03 9.79	14.18 11.48	13.26 9.88	12.72 9.52	12.78 10.02	13.35 10.62	13.38 9.98	13.73 10.16	13.37 9.92	2
3	12.95 10.45	12.87 9.92	12.14 9.85	12.35 9.93	14.56 12.43	13.04 9.48	12.46 9.30	12.99 10.22	13.38 10.25	13.51 9.93	13.74 9.89	13.23 9.96	3
4	13.02 10.35	12.65 10.05	11.97 9.60	12.55 10.12	14.61 12.13	12.80 9.23	12.51 9.65	13.09 10.38	13.30 10.08	13.60 9.78	13.67 9.87	NR NR	4
5	12.95 10.16	12.25 9.92	12.02 9.62	12.73 10.23	14.48 11.76	12.76 9.24	12.91 9.94	13.22 10.36	13.56 10.19	13.66 9.76	13.68 9.98	NR NR	5
6	12.93 10.04	12.08 9.75	12.36 9.93	12.95 10.19	14.36 12.58	13.01 9.47	12.98 10.15	13.07 10.22	13.65 10.01	13.76 9.77	13.73 9.93	NR NR	6
7	12.85 9.86	12.12 9.83	12.53 10.14	13.03 10.13	14.28 11.43	13.10 9.61	13.25 10.66	13.30 10.27	13.94 10.16	13.77 9.78	13.57 10.02	NR NR	7
8	12.07 9.86	12.40 10.08	12.76 10.22	13.18 11.10	14.16 11.37	13.07 9.78	13.33 10.71	13.47 10.20	14.11 10.09	13.70 9.65	13.33 9.94	NR NR	8
9	12.76 9.85	12.75 10.41	13.01 10.15	13.38 10.24	14.11 11.26	13.05 9.88	13.49 10.76	13.41 9.89	14.06 10.16	13.58 9.63	12.94 9.86	NR NR	9
10	12.62 10.08	12.60 10.33	13.13 10.83	13.36 10.45	14.06 11.56	12.65 9.77	13.61 11.03	13.31 9.82	14.27 10.23	13.37 9.64	13.06 9.98	NR NR	10
11	12.84 10.22	12.85 10.61	13.27 10.12	12.95 10.36	13.38 11.37	12.71 10.22	13.56 10.78	13.42 9.86	13.85 10.05	13.28 9.88	13.36 10.42	NR NR	11
12	13.63 11.14	13.17 10.23	13.40 10.23	12.50 9.88	13.05 11.01	12.41 9.84	13.75 10.88	13.25 9.73	13.71 10.07	13.15 10.08	13.43 10.33	13.54 10.09	12
13	13.96 11.39	13.24 10.32	13.18 10.19	12.23 9.62	12.94 10.93	12.33 9.65	13.73 10.78	13.23 9.79	13.35 10.03	13.28 10.23	11.98 10.01	13.37 10.01	13
14	14.07 11.77	13.25 10.23	13.13 10.05	11.90 9.64	12.98 11.04	12.60 9.98	14.01 11.26	13.18 9.80	13.12 9.79	13.47 10.40	13.50 9.86	13.46 10.09	14
15	14.08 11.22	12.97 10.18	13.35 10.16	11.76 9.61	12.86 11.06	12.85 9.76	13.58 10.58	12.80 9.58	12.42 9.82	12.18 10.50	13.57 9.73	13.62 10.31	15
16	14.03 11.52	12.56 10.01	12.89 10.43	11.98 9.69	13.02 10.92	13.05 10.14	13.13 10.63	12.47 9.54	13.25 10.21	13.62 10.21	13.78 10.06	13.65 10.34	16
17	14.12 11.12	12.12 9.68	12.62 10.26	12.16 9.84	12.96 10.58	12.88 9.63	13.27 10.88	12.68 9.70	13.63 10.46	13.72 10.00	14.00 10.12	13.43 10.38	17
18	13.94 11.08	11.77 9.56	12.72 10.30	12.31 10.13	12.95 10.34	12.40 9.01E	13.30 10.62	13.03 10.09	14.15 10.66	13.75 9.83	13.75 10.05	13.30 10.50	18
19	13.60 10.98	11.68 9.36	12.52 10.23	12.31 9.80	12.98 10.18	12.36 9.00E	13.63 10.90	13.36 10.54	14.29 10.36	13.86 9.86	13.53 9.94	13.03 10.47	19
20	12.88 10.65	11.78 9.38	12.46 10.26	12.38 9.69	13.51 9.96	12.41 8.94E	13.58 10.87	13.77 10.74	14.33 10.21	13.88 9.85	13.29 9.88	13.16 10.73	20
21	12.55 10.25	12.02 9.73	12.47 10.34	12.71 9.80	13.51 9.79	13.03 9.49	13.81 10.93	14.08 10.55	14.48 10.13	13.78 9.81	13.09 9.92	13.25 10.70	21
22	12.60 10.20	12.30 10.12	12.70 10.35	12.88 9.78	13.51 9.73	13.21 9.78	13.73 10.82	14.01 10.22	14.24 10.01	13.83 9.86	13.04 10.16	13.23 10.64	22
23	12.65 10.37	12.55 10.35	12.86 10.38	12.93 9.76	13.38 9.75	13.17 9.71	13.83 10.85	14.25 10.29	14.00 9.81	13.52 9.84	12.82 10.20	12.97 10.47	23
24	12.65 10.51	12.41 10.04	12.96 10.28	13.13 10.99	13.37 10.64	12.73 9.49	14.22 10.91	14.38 10.27	13.71 9.66	13.16 9.80	12.76 10.15	12.99 10.20	24
25	12.57 10.48	12.47 9.95	13.01 11.28	13.05 9.96	13.18 9.80	12.63 9.63	14.45 10.86	14.34 10.19	13.35 9.56	12.66 9.56	12.82 10.31	13.09 10.10	25
26	12.57 10.41	12.77 10.77	13.10 10.11	12.93 9.89	12.91 9.86	12.76 9.83	14.51 10.78	14.21 10.18	13.06 9.76	12.70 9.68	12.89 10.20	13.27 10.02	26
27	12.40 10.11	12.74 10.26	13.08 10.18	12.73 9.92	12.86 9.83	13.08 9.98	14.10 10.23	13.83 10.05	13.01 9.81	13.23 10.39	13.13 10.08	12.65 10.24	27
28	12.42 10.50	12.80 9.90	12.95 10.14	12.63 9.93	12.91 9.86	13.79 9.86	13.68 10.07	13.72 10.18	13.00 9.73	13.35 10.83	11.93 10.04	13.30 10.20	28
29	12.70 10.08	12.72 9.85	12.73 9.99	12.46 9.91		13.76 10.26	13.34 9.97	13.14 9.79	12.86 9.76	12.03 10.61	13.25 10.05	13.35 10.21	29
30	12.82 10.12	12.80 9.82	12.69 9.93	13.40 10.41		13.71 10.13	12.94 9.96	12.38 9.98	11.61 10.21	13.35 10.34	13.50 10.10	13.37 10.24	30
31	12.83 10.11		12.38 9.95	13.82 11.26		13.54 10.30		13.26 10.41		13.53 10.26	13.52 10.00		31
MAXIMUM	14.12 9.85	13.25 9.36	13.40 9.60	13.82 9.61	14.61 9.73	13.79 8.94E	14.51 9.30	14.38 9.54	14.48 9.56	13.88 9.56	14.00 9.73	NR NR	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION		MAXIMUM DISCHARGE				PERIOD OF RECORD		DATUM OF GAGE					
LATITUDE	LONGITUDE	1/4 SEC T & R M D. 8.8 M	OF RECORD				DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT.	DATE	DATE			FROM	TO			
38 05 13	121 41 37	SE 19 7N 5E								JUN 1950 - DATE	1950	1959	USED USCG USCG USED

Station located on S.W. 1/4 Sec. 1, T. 14 N., R. 11 E., S. 1. Station affected by tidal action. Maximum discharge listed does not include maximum discharge. Maximum discharge is maximum recorded stage. Record not plotted in December 1951. Maximum gage height listed at datum level in feet.

TABLE 77
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT ANTIOCH

in feet

STATION NO	WATER YEAR
895020	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.87 9.47	13.01 8.97	12.89 8.64	12.41 8.73	14.36 10.79	12.85 8.95	13.08 9.06	12.48 9.16	13.24 9.96	11.69 9.46	12.26 9.41	13.53 9.22	1
2	13.17 10.27	12.92 8.96	12.75 8.57	12.58 8.75	14.38 10.72	13.19 9.16	12.56 8.76	12.59 9.40	13.21 9.94	13.33 9.32	13.78 9.44	13.47 9.16	2
3	13.13 9.54	12.91 8.90	12.24 8.77	12.88 9.01	14.87 11.48	13.09 8.71	12.36 8.53	12.85 9.60	13.25 9.52	13.44 9.21	13.78 9.17	13.43 9.14	3
4	13.14 9.44	12.65 9.05	12.34 8.52	13.09 9.25	14.98 11.13	12.69 8.42	12.42 8.91	12.99 9.76	13.20 9.33	13.52 9.01	13.73 9.11	13.69 9.78	4
5	13.02 9.29	12.41 8.89	12.42 8.64	13.26 9.15	14.76 10.71	12.65 8.40	12.85 9.23	13.18 9.78	13.40 9.38	13.61 8.99	13.72 9.22	13.56 9.58	5
6	12.93 9.21	12.41 8.70	12.79 8.96	13.46 9.04	14.62 10.33	13.01 8.68	13.00 9.43	13.00 9.52	13.57 9.17	13.71 8.98	13.70 9.21	13.05 9.48	6
7	12.87 9.00	12.48 8.75	12.98 9.23	13.52 8.86	14.58 10.28	13.08 8.80	13.22 9.91	13.26 9.56	13.87 9.39	13.72 8.96	13.56 9.30	13.39 9.89	7
8	12.92 8.92	12.83 8.98	13.25 9.14	13.53 8.84	14.46 10.18	13.05 9.01	13.26 10.00	13.37 9.44	14.04 9.31	13.70 8.80	13.28 9.21	13.50 9.83	8
9	12.39 8.85	13.21 9.38	13.49 8.97	13.74 9.09	14.43 10.54	13.08 9.13	13.38 9.96	13.31 9.14	13.94 9.42	13.52 8.81	12.93 9.16	13.55 9.77	9
10	13.04 9.08	13.28 9.08	13.59 8.90	13.69 9.01	14.30 10.40	12.80 9.02	13.53 10.23	13.17 9.05	14.18 9.44	13.36 8.84	13.01 9.36	13.49 9.44	10
11	13.10 9.19	13.36 8.94	13.69 8.99	13.24 10.57	13.55 11.27	12.59 9.16	13.52 10.05	13.29 9.09	13.72 9.30	13.25 9.14	13.32 9.84	13.55 9.32	11
12	13.80 10.25	13.65 9.02	13.80 8.96	12.66 8.72	13.21 10.07	12.32 8.98	13.61 10.14	13.07 8.92	13.54 9.34	13.14 9.36	13.39 9.71	13.39 9.22	12
13	14.25 10.42	13.66 10.24	13.51 10.67	12.32 8.39	13.08 10.18	12.21 9.12	13.57 10.04	13.04 9.04	13.15 9.30	13.33 9.58	13.46 9.33	12.42 9.19	13
14	14.34 10.21	13.57 8.94	13.39 8.82	12.08 8.46	13.04 10.33	12.50 9.37	13.81 10.60	12.92 9.07	12.99 9.16	13.55 9.81	13.59 9.17	13.51 9.29	14
15	14.47 10.65	13.22 8.87	13.56 8.98	12.06 8.67	12.88 10.39	12.74 9.14	13.35 9.88	12.61 8.87	13.21 9.24	13.76 9.87	12.14 8.99	13.55 9.49	15
16	14.38 10.66	12.72 8.77	12.97 9.35	12.31 8.81	12.99 10.28	12.85 9.54	12.91 10.01	12.52 8.86	13.59 9.64	13.86 9.54	13.83 9.33	13.58 9.56	16
17	14.38 10.23	12.25 8.52	12.89 9.27	12.41 9.19	12.93 9.88	12.72 9.05	13.02 10.20	12.27 9.02	12.35 9.78	12.13 9.26	13.98 9.36	13.42 9.67	17
18	14.13 10.16	12.07 8.47	13.03 9.44	12.61 9.59	12.96 9.53	12.26 8.52	12.91 9.92	12.90 9.39	14.12 9.86	13.87 9.02	13.81 9.23	13.29 9.79	18
19	13.68 10.11	11.95 8.32	12.79 9.44	12.64 8.94	13.04 9.25	12.21 8.41	13.45 10.10	13.32 9.82	14.24 9.60	14.01 9.08	13.61 9.18	13.02 9.82	19
20	13.05 9.78	12.12 8.43	12.79 9.55	12.63 8.69	13.32 9.21	12.33 8.33	13.51 10.08	13.74 9.97	14.31 9.36	13.98 9.13	13.32 9.14	13.11 9.99	20
21	12.77 9.42	12.37 8.81	12.99 9.74	12.97 8.81	13.43 9.00	12.99 8.76	13.76 10.12	13.97 9.67	14.34 9.23	13.82 8.98	13.13 9.22	13.19 10.27	21
22	12.74 9.32	12.73 9.29	13.06 9.34	13.11 8.72	13.48 8.93	13.16 9.01	13.69 10.03	14.00 9.27	14.16 9.10	13.78 9.07	13.09 9.59	13.24 9.93	22
23	12.93 9.50	12.94 9.44	13.27 9.31	13.19 8.64	13.42 8.90	13.20 8.91	13.78 9.93	14.22 9.31	13.94 8.96	13.56 9.14	12.85 8.61	12.89 9.75	23
24	12.91 9.60	12.79 8.98	13.41 9.10	13.42 8.79	13.35 8.96	12.78 8.71	14.17 9.90	14.34 9.30	13.63 8.80	13.16 9.06	12.76 9.66	12.89 9.57	24
25	12.87 9.60	12.84 8.85	13.40 8.88	13.39 8.71	13.20 9.09	12.68 8.88	14.43 9.93	14.25 9.25	13.23 8.76	12.68 8.93	12.84 9.86	12.93 9.48	25
26	12.82 9.47	13.16 9.14	13.53 8.93	13.28 8.72	12.86 9.11	12.80 9.14	14.43 9.81	14.05 9.20	12.96 9.00	12.71 9.11	12.84 9.68	13.16 9.38	26
27	12.67 9.14	13.09 8.73	13.50 8.86	13.10 10.00	12.86 9.40	13.13 9.23	13.98 9.30	13.69 9.18	12.86 9.11	13.23 9.90	13.08 9.56	13.18 9.54	27
28	12.66 9.06	13.14 8.64	13.36 8.72	12.89 8.79	12.93 9.19	13.82 9.54	13.60 9.23	13.53 9.38	12.86 9.14	13.36 10.33	13.26 9.46	13.31 9.43	28
29	12.96 9.05	13.03 10.37	13.11 10.55	12.68 8.84		13.71 9.43	13.23 9.14	12.94 9.03	12.82 9.30	13.32 10.06	13.45 9.42	12.68 9.39	29
30	13.06 9.05	13.02 8.59	13.02 8.69	13.57 9.48		13.62 9.26	12.78 9.18	13.03 9.26	13.06 9.67	13.45 9.74	13.58 9.48	13.34 9.42	30
31	13.04 10.47		12.67 8.76	14.01 10.35		13.43 9.41		12.16 9.76		13.56 9.64	12.31 9.28		31
MAXIMUM	14.47 8.85	13.66 8.32	13.80 8.52	14.01 8.39	14.98 8.90	13.82 8.33	14.43 8.53	14.34 8.86	14.34 8.76	14.01 8.80	13.98 8.99	13.69 9.14	MAXIMUM
MINIMUM													MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D. & B.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM	
			C.F.S.	GAGE HT	DATE			FROM	TO			
38 01 04	121 48 06	SW18 2N 2E		6.2	12/26/55			JUN 29-DATE	1929	1940	0.00	USED
									1940	1957	0.00	USCGS
									1957		-9.96	USCGS
									1957		-8.97	USED

Station located in pump house on wharf at city water works immediately N of Antioch. Station affected by tidal action. Maximum gage ht. listed does not indicate maximum discharge. Maximum gage ht. at datum then in use.

* TABLE 278
DAILY MAXIMUM AND MINIMUM TIDES

SUISUN BAY AT BENICIA ARSENAL

in feet

STATION NO	WATER YEAR
E03300	1963

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	12.86 8.35	12.91 7.52	12.87 6.98	12.51 7.32	14.20 9.13	12.90 7.37	12.87 7.09	12.39 7.59	12.99 8.96	13.20 8.33	13.56 8.01	13.49 7.65	1
2	13.04 8.39	12.80 7.50	12.70 7.39	12.71 8.91	13.87 8.19	13.11 7.39	12.41 6.94	12.70 7.97	12.99 8.46	13.32 7.99	13.63 7.85	13.57 7.58	2
3	12.96 8.28	12.57 10.52	12.22 7.16	13.08 7.79	14.39 8.09	12.90 7.00	12.24 6.70	12.17 8.15	13.01 7.82	13.45 7.68	13.70 7.57	12.66 7.61	3
4	12.87 8.10	12.38 7.53	12.36 6.52	13.27 8.00	14.59 7.89	12.66 6.60	12.28 7.10	12.90 8.47	13.23 7.60	13.55 7.41	12.25 7.38	13.67 7.97	4
5	12.75 10.29	12.25 7.52	12.45 7.29	13.46 7.65	14.41 7.56	12.67 6.47	12.71 7.51	13.08 8.23	13.49 7.49	12.07 7.31	13.66 7.36	13.51 8.08	5
6	12.72 8.01	12.39 7.36	12.88 7.70	13.62 7.39	14.38 7.40	13.02 6.78	12.94 7.77	12.93 7.80	12.43 7.30	13.70 7.22	13.66 7.38	13.23 8.15	6
7	12.54 7.78	12.57 7.37	13.13 7.81	NR	14.50 7.50	13.16 6.91	13.13 8.11	13.10 7.80	13.76 7.50	13.77 7.15	13.52 7.51	13.39 8.45	7
8	12.67 7.58	12.98 7.66	13.47 7.57	NR	14.40 7.60	13.16 7.21	13.11 8.21	13.26 7.55	13.84 7.24	13.70 7.03	13.24 7.68	13.53 8.30	8
9	12.88 7.54	13.49 8.17	13.73 7.21E	NR	14.51 8.33	13.08 7.40	13.20 7.90	13.19 7.18	13.77 7.32	13.50 7.13	12.97 7.85	13.56 9.44	9
10	12.95 7.79	13.62 7.60	13.89E 7.10E	NR	14.30 8.28	12.87 7.45	13.27 7.99	13.01 7.13	14.05 7.57	13.29 7.23	13.20 8.19	13.44 8.06	10
11	13.68 7.96	13.72 7.33	14.00 7.19E	NR	13.51 8.22	12.60 7.64	13.23 7.90	13.10 7.02	13.62 7.47	13.21 7.56	13.39 8.71	13.45 7.94	11
12	14.09 9.22	13.99 7.31	13.83E 7.17E	NR	13.14 8.87	12.30 7.70	13.33 8.15	12.89 6.95	13.36 7.63	13.09 7.83	13.42 8.48	13.38 7.80	12
13	14.25 9.06	13.91 7.34	13.68 7.02	NR	12.92 9.23	12.30 7.91	13.28 8.10	12.81 7.20	12.97 7.65	13.29 8.19	13.52 8.03	13.46 7.67	13
14	14.14 7.98	13.79 7.19	13.50 7.31E	NR	12.79 9.55	12.50 8.26	13.44 8.98	12.66 7.38	12.99 7.72	13.62 8.59	13.65 7.64	13.60 7.75	14
15	14.07 7.77	13.29 7.22	12.95E 7.48E	NR	12.61 9.36	12.70 7.99	12.91 8.10	12.33 7.37	13.31 8.03	13.84 8.68	13.85 7.41	13.62 7.87	15
16	14.06 7.53	12.71 7.08	12.44E 7.61E	NR	12.71 9.21	13.05 8.43	12.53 8.40	12.38 7.50	13.71 8.47	13.91 8.15	14.01 7.51	13.48 8.00	16
17	14.07 7.66	12.21 9.66	12.11E 9.93	NR	12.70 8.63	12.75 8.04	12.59 8.29	12.80 7.76	14.02 8.37	13.98 7.56	12.60 7.58	13.00 8.19	17
18	13.89 10.57	12.10 7.22	13.02 8.35	NR	12.71 8.01	12.09 7.49	13.07 7.90	13.21 7.77	12.45 7.96	14.13 7.29	13.86 7.46	13.35 8.43	18
19	13.40 7.94	12.07 7.34	12.69 8.39	12.50 7.92	12.89 7.51	12.05 7.32	13.15 7.71	13.67 8.24	14.20 7.61	12.37 7.12	13.66 7.49	13.09 8.51	19
20	12.77 7.86	12.28 7.55	12.71 8.71	12.58 7.48	13.14 7.09	12.22 6.99	13.27 7.67	13.96 8.08	14.42 7.31	14.12 7.02	13.39 7.52	NR	20
21	12.54 7.95	12.55 7.98	12.76 8.15	12.99 7.46	13.28 6.56	12.88 7.17	13.51 7.76	12.71 7.59	14.51 6.91	14.01 7.01	13.19 7.84	NR	21
22	12.58 7.97	12.86 8.43	13.00 7.88	13.14 7.25	13.45 6.53	13.39 7.58	13.56 7.71	14.10 6.99	14.31 6.73	13.91 7.16	13.04 8.38	NR	22
23	12.74 8.10	13.09 8.36	13.32E 7.77	13.30 7.05	13.54 6.62	13.34 7.18	13.75 7.30	14.34 6.80	14.09 6.71	13.63 7.48	12.83 8.49	NR	23
24	12.78 8.18	12.95 7.73	13.44 7.41	13.55 7.07	13.52 6.73	12.97 6.90	14.10 7.13	14.40 6.69	13.70 6.72	13.16 7.41	12.75 8.69	NR	24
25	12.80 8.31	12.96 7.50	13.53 7.12	13.59 6.98	13.34 6.96	12.87 7.23	14.46 7.26	14.22 6.54	13.21 7.01	12.62 7.62	12.70 9.12	NR	25
26	12.86 8.15	13.35 7.83	13.62 7.02	13.53 7.02	12.95 7.12	13.05 7.57	14.45 7.05	13.88 6.60	12.90 7.52	12.85 8.12	12.71 8.76	NR	26
27	12.74 7.77	13.16 7.13	13.58 6.84	13.33 7.14	13.03 7.64	13.46 7.65	13.89 6.60	13.58 6.89	12.82 7.72	13.13 8.93	12.71 8.61	NR	27
28	12.73E 7.66	13.11 6.92	13.43 6.68	13.16 7.28	13.04 7.58	14.08 7.77	13.37 6.89	13.28 7.48	12.83 8.01	13.20 9.39	12.95 8.36	NR	28
29	12.97 7.57	12.96 6.88	13.17 6.76	12.88 8.36		13.77 7.47	12.92 7.00	12.75 7.43	12.82 8.57	13.19 9.02	13.27 8.19	NR	29
30	13.05 7.44	13.00 7.00	13.01 6.95	13.69 9.20		13.52 7.18	12.50 7.43	12.83 7.96	12.96 8.62	13.28 8.61	13.34 8.07	NR	30
31	12.98 7.44		12.63 7.12	14.25 10.60		13.25 7.24		13.00 8.60		13.41 8.21	13.44 7.80		31
MAXIMUM	14.25E	13.99	14.00	14.25	14.59	14.08	14.46	14.40	14.51	14.13	14.01	13.67	MAXIMUM
MINIMUM	7.44	6.88	6.68	NR	6.53	6.47	6.60	6.54	6.71	7.01	7.36	7.58	MINIMUM

E - Estimated
NR - No Record

CREST STAGES																	
DATE			TIME			STAGE			DATE			TIME			STAGE		

* In order to machine process the data in this table, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain recorder gage height.

LOCATION		MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T.B.R M.O.B.M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
36°02'26"	122°08'44"	SW6 2N 2W		5.7	4/6/58			1923	1941	-2.21	USCGS
								1941	1942	-5.00	USCGS
								1942		0.00	USCGS

Station located on inshore side of wharf, immediately SE of Benicia.
Maximum gage height listed does not indicate maximum discharge.
Period of record intermittent from 1929-1940.

Tables 279-283
CONTENTS OF RESERVOIRS

TABLE 279
DAILY CONTENT
SHASTA LAKE

STATION NO	WATER YEAR
A21050	1963

in thousands of acre-feet

DAY	OCT	NOV	DEC	JAN.	FEB	MAR.	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	2902.7	3191.4	3191.4	3253.0	3255.2	3427.2	3877.8	4417.6	4499.3	4327.9	3971.9	3581.5	1
2	2897.4	3190.2	3215.1	3244.4	3294.2	3417.1	3909.8	4428.7	4498.7	4317.8	3959.6	3570.5	2
3	2892.1	3187.2	3237.5	3236.8	3357.2	3406.9	3936.5	4440.4	4497.5	4307.4	3944.1	3558.8	3
4	2887.0	3184.1	3246.1	3228.0	3406.2	3402.3	3959.1	4452.1	4496.3	4299.0	3928.4	3546.4	4
5	2881.7	3182.9	3253.5	3219.1	3443.6	3403.7	4001.1	4465.6	4494.2	4291.2	3916.0	3535.8	5
6	2877.5	3182.4	3259.0	3208.7	3466.7	3411.4	4083.9	4479.2	4492.2	4279.2	3903.6	3524.7	6
7	2872.5	3182.0	3261.7	3200.4	3479.7	3418.5	4169.3	4497.8	4489.5	4264.8	3890.9	3512.6	7
8	2870.3	3181.3	3261.7	3192.8	3488.4	3426.2	4232.3	4511.1	4483.9	4254.2	3878.0	3498.5	8
9	2873.8	3181.0	3260.9	3186.4	3491.7	3432.4	4280.6	4513.5	4475.6	4246.0	3865.7	3486.4	9
10	2892.3	3180.8	3258.8	3180.8	3492.7	3435.9	4286.9	4515.5	4470.9	4236.3	3853.7	3475.4	10
11	2922.2	3179.6	3256.9	3175.4	3490.7	3442.8	4264.8	4516.1	4468.9	4226.3	3839.3	3463.7	11
12	2993.7	3181.3	3254.2	3170.7	3493.7	3448.5	4264.3	4515.5	4466.2	4217.2	3826.0	3453.2	12
13	3040.3	3180.6	3252.1	3163.4	3505.3	3454.5	4261.4	4513.2	4464.2	4203.3	3813.2	3441.8	13
14	3074.0	3179.8	3251.4	3160.1	3508.8	3461.5	4316.6	4510.2	4461.2	4188.8	3800.3	3430.9	14
15	3104.5	3178.7	3275.6	3156.6	3509.5	3469.2	4347.9	4507.2	4452.7	4177.8	3787.8	3419.3	15
16	3133.6	3177.5	3302.8	3153.7	3508.0	3479.7	4339.2	4504.9	4442.7	4167.6	3774.6	3407.9	16
17	3157.3	3175.6	3327.3	3150.2	3504.5	3483.9	4334.6	4502.5	4436.9	4157.2	3761.6	3396.6	17
18	3176.3	3171.8	3339.6	3146.5	3499.7	3490.7	4343.8	4499.8	4432.8	4146.8	3745.0	3385.8	18
19	3186.7	3170.4	3344.0	3141.3	3496.7	3498.0	4340.1	4496.3	4429.0	4137.0	3730.8	3375.0	19
20	3191.4	3169.7	3344.5	3136.0	3496.7	3504.8	4334.3	4493.3	4425.8	4123.0	3717.2	3363.5	20
21	3195.0	3169.0	3342.6	3132.7	3496.0	3511.8	4333.4	4492.4	4423.1	4107.6	3705.2	3353.5	21
22	3196.4	3167.8	3339.4	3129.9	3488.7	3520.4	4333.7	4492.4	4414.1	4095.9	3693.2	3341.8	22
23	3198.0	3166.9	3335.3	3126.9	3481.2	3534.2	4338.0	4491.9	4402.4	4084.5	3680.7	3331.4	23
24	3198.7	3165.7	3328.7	3124.5	3473.9	3545.6	4344.4	4492.7	4391.4	4073.1	3667.2	3321.2	24
25	3198.7	3163.6	3322.2	3122.2	3465.7	3556.0	4352.8	4493.9	4383.8	4060.9	3653.9	3310.5	25
26	3198.7	3183.9	3314.9	3118.2	3456.5	3566.7	4362.9	4495.1	4377.1	4049.6	3640.8	3299.7	26
27	3197.3	3189.8	3307.2	3113.1	3447.5	3610.6	4373.6	4495.7	4368.4	4036.9	3629.9	3284.8	27
28	3197.1	3191.2	3299.0	3109.9	3437.6	3668.5	4382.6	4495.1	4361.5	4020.1	3618.9	3264.5	28
29	3196.4	3190.0	3286.4	3109.9		3727.4	4392.2	4496.0	4350.2	4008.0	3608.1	3252.3	29
30	3195.7	3189.0	3274.2	3115.9		3786.5	4404.7	4497.5	4337.5	3997.0	3596.8	3242.0	30
31	3193.3		3262.9	3191.6		3838.2		4498.7		3985.8	3589.4		31
CHAN. MAX. MIN.	+290.6 3198.7 2870.3	-2.4 3191.4 3163.6	+71.5 3344.5 3191.4	-61.4 3253.0 3109.9	+182.4 3509.5 3255.2	+411.0 3838.2 3402.3	+526.9 4404.7 3877.8	+81.1 4516.1 4417.6	-161.8 4499.3 4337.5	-342.1 4327.9 3985.8	-382.5 3971.9 3589.4	-339.5 3581.5 3242.0	CHAN. MAX. MIN.

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO	DAY	TIME	DAILY CONTENT	MO	DAY	TIME
4516.1	5	11	1200	2870.3	10	8	1200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. BR M O B B M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT	DATE			FROM	TO		
40 43 10	122 25 10	NW15 33N 5W				NOV 42-DATE	NOV 42-DATE	1942		0.00	USCGS

Station located in Shasta Dam 2 mi. below Squaw Creek, 9.5 mi. N of Redding. Usable capacity, 4,377,000 ac.-ft. between elevations 737.75 and 1,065.0 ft. above mean sea level. Not available for release, 115,700 ac.-ft. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 sq. mi.

TABLE 200
DAILY CONTENT
FRENCHMAN RESERVOIR NEAR CHILCOOT

STATION NO	WATER YEAR
A55527	1962

In acre-feet

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	NR	NR	NR	NR	366	1006	2415	13593	13871	11468	11239	8413	
2	NR	NR	NR	NR	374	1023	2661	13600	13911	11462	11183	8409	2
3	NR	NR	NR	NR	381	1042	2967	13639	13956	11456	11098	8404	3
4	NR	NR	NR	NR	389	1059	3313	13659	14005	11450	11009	8399	4
5	NR	NR	NR	NR	397	1077	3744	13672	14019	11439	10920	8395	5
6	NR	NR	NR	NR	405	1095	4238	13679	14032	11427	10820	8390	6
7	NR	NR	NR	NR	416	1114	4819	13659	13925	11416	10722	8385	7
8	NR	NR	NR	NR	436	1132	5530	13541	13666	11404	10624	8376	8
9	NR	NR	NR	NR	461	1152	6236	13429	13423	11387	10467	837	9
10	NR	NR	NR	225	500	1170	6842	13390	13164	11370	10291	8357	10
11	NR	NR	NR	230	545	1190	7415	13293	12967	11359	10127	8348	11
12	NR	NR	NR	236	593	1208	8031	13113	12759	11381	9954	8339	12
13	NR	NR	NR	242	633	1227	8649	12948	12547	11381	9778	8329	13
14	NR	NR	NR	248	661	1257	9332	12615	12351	11376	9604	8320	14
15	NR	NR	NR	253	689	1297	9934	12784	12175	11370	9432	8315	15
16	NR	NR	NR	259	717	1327	10430	12822	11983	11364	9262	8311	16
17	NR	NR	NR	266	747	1345	10903	12885	11870	11359	9099	8306	17
18	NR	NR	NR	272	777	1363	11324	12935	11776	11347	8928	8297	18
19	NR	NR	NR	278	809	1387	11711	12992	11682	11336	8764	8288	19
20	NR	NR	NR	284	842	1415	12055	13056	11589	11330	8645	8283	20
21	NR	NR	NR	290	870	1444	12357	13158	11554	11324	8588	8278	21
22	NR	NR	NR	297	886	1472	12640	13235	11543	11319	8531	8274	22
23	NR	NR	NR	304	902	1504	12941	13280	11531	11313	8498	8269	23
24	NR	NR	NR	310	919	1537	13254	13351	11519	11302	8488	8265	24
25	NR	NR	NR	317	936	1571	13482	13410	11508	11290	8479	8269	25
26	NR	NR	NR	324	953	1627	13580	13482	11496	11290	8470	8283	26
27	NR	NR	NR	331	971	1698	13619	13560	11491	11279	8460	8292	27
28	NR	NR	NR	338	988	1768	13652	13639	11485	11273	8446	8288	28
29	NR	NR	NR	345		1898	13639	13712	11479	11262	8437	8283	29
30	NR	NR	NR	352		2038	13619	13771	11473	11256	8427	8274	30
31	NR	NR	NR	359		2208		13811		11250	8418		31
CHAN.	NR	NR	NR	NR	+629	+1220	+11411	+192	-2338	-223	-2832	-144	CHAN.
MAX.	NR	NR	NR	NR	359	988	2208	13652	13811	11473	11250	8418	MAX.
MIN.	NR	NR	NR	NR	359	988	2208	12784	11473	11250	8418	8265	MIN.

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO.	DAY	TIME	DAILY CONTENT	MO.	DAY	TIME
14032	6	6	2400	0			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC T & R. M O B & M	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM	
			CFS.	GAGE HT.	DATE			FROM	TO			
39 53 36	120 11 17	NE 33 24N 16E						JAN 61-DATE	1961		5500.00	USCGS

Station located at toe of Frenchman Dam on Little East Chance Creek, 7.1 mi. N of Chilcoot.

Frenchman Dam was completed in October and storage began in November. The reservoir has a usable capacity of 53,582 acre-feet between elevations 5517 (invert of intake) and 5588 (crest of spillway). Not available for release, 1,835 acre-feet.

Record from Jan. 10 to Mar. 29 utilizes periodic staff gage observations to obtain estimates of daily 2400 hour readings. Gage ht. record, from a recorder installed Mar. 30 in the outlet structure, was influenced by temperature variations which sometimes made the 2400 hour readings inaccurate. An analysis of the graph disclosed that, on the average, there was less temperature effect on the readings at the 0500 hour than at any other time. On rising and falling stages, it was not possible to determine the difference between the true stage change and change due to temperature. Elevation data given, for the period Mar. 30 to Sep. 30, is as of the 2400 hour when the water surface is either rising or falling, and as of the 0600 hour when the water surface remains fairly constant.

TABLE B1
DAILY CONTENT
FRENCHMAN RESERVOIR NEAR CHILCOOT

STATION NO	WATER YEAR
A5527	1963

DAY	In feet													DAY
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT.		
1	8274	10618	11048	11918	19908	26822	28949	37022	43141	41138	40094	34294	1	
2	8269	10635	11067	11930	20856	26902	29022	37393	42992	41138	39990	34271	2	
3	8265	10651	11109	11971	21557	26962	29117	37779	42857	41138	39810	34247	3	
4	8260	10667	11126	11995	22082	27013	29212	38142	42696	41125	39616	34224	4	
5	8241	10684	11143	12013	22524	27063	29329	38533	42507	41112	39398	34200	5	
6	8232	10700	E 11160	12037	22888	27154	29947	38875	42293	41099	39168	34177	6	
7	8228	10716	E 11177	12055	23191	27205	30540	39219	42106	41086	38939	34165	7	
8	8232	10733	E 11188	12072	23478	27255	30900	39642	41919	41073	38748	34154	8	
9	8232	10749	E 11199	12091	23730	27316	31218	39990	41813	41046	38558	34142	9	
10	8241	10760	E 11211	12103	24067	27357	31494	40250	41746	41033	38306	34130	10	
11	8274	10771	E 11222	12109	24323	27408	31737	40523	41693	41020	38055	34119	11	
12	8348	10782	E 11233	12115	24542	27438	31972	40758	41640	41020	37804	34130	12	
13	9322	10793	E 11245	12127	24800	27479	32207	40981	41587	40994	37555	34119	13	
14	9635	10804	E 11256	12133	25002	27530	32500	41191	41547	40941	37307	34095	14	
15	9773	10809	E 11319	12145	25185	27591	32817	41389	41508	40876	37059	34072	15	
16	9871	10815	11410	12157	25360	27642	33079	41574	41455	40823	36813	34060	16	
17	9954	10826	11485	12169	25506	27683	33320	41760	41402	40771	36568	34049	17	
18	10017	10831	11554	12175	25662	27724	33562	41946	41349	40719	36324	34037	18	
19	10075	10837	11601	12181	25799	27786	33863	42146	41296	40666	36105	34095	19	
20	10132	10842	11647	12187	25927	27847	34084	42333	41257	40614	35900	34107	20	
21	10185	10848	11688	12199	26045	27909	34329	42521	41217	40562	35731	34119	21	
22	10233	10859	11723	12205	26164	27950	34564	42655	41204	40510	35575	34107	22	
23	10275	10870	11752	12211	26273	28033	34824	42844	41191	40458	35407	34095	23	
24	10318	10881	11764	12217	26372	28094	35073	43019	41191	40405	35240	34095	24	
25	10360	10892	11782	12223	26461	28156	35347	43141	41165	40366	35085	34107	25	
26	10403	10931	11799	12229	26551	28208	35599	43263	41165	40327	34930	34095	26	
27	10446	10975	11817	12235	26641	28416	35851	43318	41151	40288	34777	34084	27	
28	10489	10992	11841	12241	26731	28551	36069	43331	41151	40250	34623	34095	28	
29	10532	11003	11864	12246		28655	36385	43331	41138	40211	34470	34060	29	
30	10575	11020	11882	12240	E	28749	36703	43290	41138	40172	34388	34049	30	
31	10602		11900	16995		28875		43236		40133	34341		31	
CHAN. MAX.	-2328	+418	-880	+5095	+9736	+2144	+7828	+6533	-2098	-1005	-5792	-292	CHAN. MAX.	
MIN	10602	11020	11900	16995	26731	28875	36703	43331	43236	41138	40133	34341	MIN	
	8228	10602	11020	11900	16695	26731	28875	36703	41138	40133	34341	34037	MIN	

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO	DAY	TIME	DAILY CONTENT	MO	DAY	TIME
43331	5	28	2400	8228	10	7	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC TBR M O.B.B.M	OF RECORD			INFLUN	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 53 36	120 11 17	NE 1/4 34N 16E					JAN 61-DATE	1961		5.0.00	USCOB

Station located at the Frenchman Dam on Little Last Chance Creek, 7.1 mi. N of Chilcoot.

Frenchman Dam was completed in Oct. 1961 and stage began in Nov. 1961. The reservoir has a usable capacity of 53,582 acre-feet between elevations 5517 (invert of intake) and 5688 (crest of spillway). Not available for release, 1,035 acre-feet.

Gage data record for the period Oct. 1 to 29, 1961, was influenced by temperature variations which sometimes made the 2400 reading inaccurate. An analysis of the graph disclosed that, on the average, there was less temperature effect on the readings at the 0600 hour than at any other time. On rising and falling stages, it was not possible to determine the difference between the true stage change and change due to temperature. Elevation data given in the 2400 when the water surface is either rising or falling, and at the 0600 hour when the water surface remains fairly constant. The recorder and thermometer were mounted from the utility structure to the valve chamber in the dam in Oct. 60. The present record are 2400 hour readings.

TABLE 202
DAILY CONTENT
FOLSOM LAKE NEAR FOLSOM

STATION NO	WATER YEAR
A71121	1963

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DAY
1	452.2	585.1	470.0	491.4	814.1	627.1	637.6	767.2	982.9	997.9	827.6	622.3	1
2	450.5	579.8	466.8	489.2	730.7	628.1	643.2	775.5	993.4	993.4	821.0	616.6	2
3	448.7	575.4	476.3	487.3	686.0	628.8	649.4	785.6	985.4	986.9	814.5	610.7	3
4	446.8	570.9	482.1	485.1	630.8	629.3	655.8	796.7	986.5	984.7	807.9	605.0	4
5	444.6	566.3	483.3	482.7	585.8	629.9	663.8	809.6	991.3	980.4	801.1	599.6	5
6	443.3	561.8	483.1	480.3	580.5	630.6	697.6	824.4	996.6	976.0	794.9	593.6	6
7	441.5	558.2	482.2	477.8	580.5	631.8	729.0	839.4	1001.0	971.3	788.5	588.0	7
8	439.7	554.3	481.1	475.1	578.4	632.8	737.3	853.6	1004.4	967.4	782.1	582.5	8
9	437.9	550.7	479.6	472.5	575.4	634.1	726.2	860.1	1006.9	964.6	775.5	576.8	9
0	436.6	547.1	478.2	469.8	571.2	635.0	710.9	861.3	1010.5	960.5	769.0	571.0	10
11	436.5	544.1	476.6	467.0	568.5	635.0	691.9	861.0	1014.7	953.7	762.4	565.0	11
12	436.8	540.6	474.8	464.4	567.7	634.5	669.7	858.7	1017.9	948.7	755.8	559.1	12
13	436.5	537.1	472.8	461.4	574.4	634.1	657.0	858.3	1021.5	943.6	749.1	553.2	13
14	436.6	532.8	470.7	458.6	580.5	633.9	672.4	860.6	1024.0	938.4	742.5	547.8	14
15	435.7	528.6	469.9	456.4	586.0	634.1	697.4	865.0	1024.4	932.6	735.9	542.1	15
16	435.0	525.0	468.3	454.4	591.9	634.7	714.3	873.8	1021.6	927.0	729.2	536.4	16
17	433.3	522.9	466.3	452.6	597.3	635.2	725.3	884.6	1020.0	921.0	722.5	530.7	17
18	431.7	520.8	462.3	451.0	601.9	635.5	732.7	896.9	1021.0	915.2	715.5	525.2	18
19	429.6	515.7	460.6	450.4	606.0	635.7	739.7	910.8	1019.2	909.5	708.9	519.6	19
20	428.6	508.8	457.2	449.6	610.3	636.3	741.1	924.6	1020.0	903.9	702.2	514.7	20
21	428.1	504.4	458.3	448.8	614.3	636.2	740.7	932.2	1020.6	898.0	695.3	510.2	21
22	428.9	501.0	458.3	448.5	617.1	635.8	738.6	939.4	1018.7	892.1	688.4	505.3	22
23	428.1	496.8	457.9	447.9	619.5	635.3	737.8	946.1	1015.5	886.3	681.8	500.7	23
24	428.6	492.7	456.8	447.3	621.3	634.2	738.0	951.8	1013.2	880.1	675.1	495.8	24
25	423.3	488.7	455.3	446.4	623.0	630.9	741.2	955.8	1011.9	873.9	668.2	490.8	25
26	418.5	484.9	453.5	445.7	624.3	626.9	745.0	958.7	1010.4	867.3	661.9	485.8	26
27	413.4	483.0	451.7	444.8	625.3	628.4	747.4	960.7	1008.8	860.8	655.1	481.1	27
28	408.2	480.7	450.0	444.1	626.3	653.6	748.9	966.1	1007.2	854.3	648.3	476.1	28
29	402.7	479.0	448.0	443.5	644.9	644.9	752.9	973.7	1005.5	847.4	641.6	470.9	29
30	397.1	473.5	446.0	450.4	640.1	640.1	759.1	977.9	1002.4	840.9	634.8	466.4	30
31	391.1	469.9	443.9	442.1	637.9	637.9	767.2	980.9	1000.0	834.2	628.0	466.4	31
CHAN. MAX.	+136.9	-117.6	-20.4	+118.2	+14.2	+11.6	+121.2	-221.8	+21.5	-168.2	-206.2	-161.6	CHAN. MAX.
MIN.	436.5	473.5	466.6	443.5	567.7	626.9	637.6	767.2	982.9	834.2	628.0	466.4	MIN.

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO.	DAY	TIME	DAILY CONTENT	MO.	DAY	TIME
1024.4	6	15	2400	436.5	10	11	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.O.B.B.M.	OF RECORD			INFL.	DTYPE	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
35 42 29	121 09 22	NE2-10N7E				FEB 55- DATE	FEB 55-DATE	1955		0.00	USCGS

Station located 0.7 mi. below St. Fork American River, 4.3 mi. NE of Folsom. Records furnished by USBR.
Drainage area is 1,875 sq. mi.

Folsom Reservoir has a usable capacity of 1,010,700 a.-ft. between elevations 205.5 and 466.0 ft. above near sea level, practically all of which is available for release. Spillway design flood pool elevation is 475.4 ft. (capacity 1,220,200 a.-ft.)

Daily content figures given herein, representing usable content, are shown at 2400 hour.

TABLE 28

DAILY CONTENT
LAKE BERRYESSA NEAR WINTERS

STATION NO	WATER YEAR
A91200	1963

in thousands of acre-feet

DAY	OCT	NOV	DEC.	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEPT	DAY
1	1082.6	1156.8	1157.4	1202.6	1363.4	1441.8	1508.9	1619.1	1610.4	1579.8	1541.6	1506.8	1
2	1082.3	1156.8	1158.0	1202.6	1372.1	1442.1	1511.0	1618.9	1609.8	1578.6	1540.3	1506.1	2
3	1081.8	1156.8	1159.1	1202.7	1376.8	1442.9	1512.9	1618.3	1608.5	1577.5	1539.1	1505.1	3
4	1081.2	1156.9	1159.3	1202.9	1379.7	1442.9	1514.0	1618.1	1608.1	1576.3	1538.0	1503.4	4
5	1080.7	1156.6	1159.8	1202.9	1382.1	1442.9	1516.3	1617.9	1607.3	1575.2	1536.9	1502.3	5
6	1080.0	1156.6	1159.8	1202.9	1384.1	1443.1	1529.1	1617.6	1606.1	1574.0	1535.7	1501.6	6
7	1079.4	1156.6	1160.1	1202.9	1385.5	1443.6	1537.2	1617.4	1605.8	1573.1	1534.6	1500.8	7
8	1078.9	1156.6	1160.5	1203.1	1387.2	1443.8	1541.4	1617.6	1605.2	1571.9	1533.5	1499.9	8
9	1078.7	1156.6	1160.5	1203.1	1391.9	1444.2	1544.8	1617.2	1604.2	1571.0	1532.1	1498.8	9
10	1078.7	1156.6	1160.5	1203.1	1397.4	1444.7	1550.4	1617.8	1602.9	1569.6	1531.2	1498.0	10
11	1081.2	1156.4	1160.6	1203.1	1399.9	1444.7	1554.2	1618.1	1602.5	1568.7	1530.2	1497.1	11
12	1117.4	1156.4	1161.0	1202.2	1409.2	1444.9	1557.2	1618.1	1601.7	1567.3	1528.9	1496.3	12
13	1146.2	1156.4	1161.2	1202.1	1418.9	1444.7	1563.1	1617.8	1600.9	1566.0	1527.8	1495.8	13
14	1153.6	1156.4	1161.7	1202.2	1423.4	1445.3	1581.9	1617.4	1600.0	1564.8	1526.6	1495.2	14
15	1154.6	1156.3	1167.6	1202.4	1425.7	1445.3	1590.5	1617.2	1599.0	1563.5	1525.7	1494.3	15
16	1154.6	1156.3	1174.3	1202.4	1428.3	1448.1	1595.5	1617.0	1598.2	1562.2	1524.6	1493.3	16
17	1154.9	1156.1	1189.6	1202.1	1430.3	1449.0	1600.0	1616.6	1597.5	1560.6	1523.6	1492.6	17
18	1155.3	1155.8	1195.4	1201.9	1432.2	1449.4	1602.9	1616.4	1596.5	1559.1	1522.3	1491.8	18
19	1155.4	1155.8	1197.6	1201.9	1433.6	1450.0	1606.1	1615.8	1595.2	1557.8	1521.3	1490.9	19
20	1155.8	1155.8	1198.3	1201.9	1435.1	1450.3	1610.2	1615.0	1594.0	1556.5	1519.8	1490.1	20
21	1155.9	1155.8	1199.7	1201.9	1436.2	1450.6	1612.7	1614.7	1592.8	1555.3	1518.7	1489.6	21
22	1156.3	1155.8	1199.8	1201.9	1437.0	1451.2	1614.3	1614.3	1591.3	1554.0	1517.6	1488.8	22
23	1156.3	1155.8	1200.7	1201.9	1438.1	1452.9	1615.4	1613.9	1590.3	1552.8	1516.3	1488.1	23
24	1156.3	1155.9	1200.7	1201.7	1439.0	1453.8	1616.6	1613.7	1588.8	1551.3	1514.9	1487.5	24
25	1156.4	1155.9	1200.7	1201.5	1439.9	1454.4	1617.6	1613.1	1588.0	1550.2	1513.8	1486.9	25
26	1156.3	1156.6	1201.2	1201.4	1440.3	1454.9	1619.3	1612.9	1586.7	1548.8	1512.7	1486.4	26
27	1156.4	1156.9	1201.4	1201.0	1440.9	1470.5	1619.5	1612.7	1585.0	1547.7	1511.7	1485.8	27
28	1156.6	1157.1	1201.5	1201.0	1441.8	1483.6	1619.5	1612.1	1583.6	1546.5	1511.0	1484.7	28
29	1156.8	1156.9	1201.5	1202.4		1491.1	1619.3	1611.6	1582.5	1545.4	1510.0	1484.1	29
30	1156.6	1156.9	1201.7	1240.5		1496.3	1619.3	1611.2	1581.5	1544.1	1509.1	1483.6	30
31	1156.8		1202.1	1335.1		1500.4		1610.8		1542.9	1508.0		31
CHAN.	+74.0	+0.2	+45.1	+133.0	+106.7	+58.7	+118.9	-8.5	-29.3	-38.6	-35.0	-24.4	CHAN.
MAX.	1156.8	1157.1	1202.1	1335.1	1441.8	1500.4	1619.5	1619.1	1610.4	1579.8	1541.6	1506.8	MAX.
MIN.	1078.7	1155.8	1157.4	1201.0	1363.4	1441.8	1508.9	1610.8	1581.5	1542.9	1508.0	1483.6	MIN.

WATER YEAR SUMMARY

MAXIMUM				MINIMUM			
DAILY CONTENT	MO.	DAY	TIME	DAILY CONTENT	MO.	DAY	TIME
1619.5	4	27	2400	1078.7	10	9	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T.B.R. M.O.B.M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF DATUM
			C.F.S.	GAGE HT.	DATE			FROM	TO		
38 30 50	122 06 15	NW29 8N 2W					JAN 57-DATE	1957		0.00	USCGS

Station located near center of Monticello Dam on Putah Creek, 7.4 mi. W of Winters.
Records furn. by USBR. Drainage area is 577 sq. mi.

Lake Berryessa has a usable capacity of 1,592,000 ac. ft. between elevations 253.25 and 440 ft.
Not available for release is 10,340 ac. ft.

Daily content shown is at 2400 hour.

TABLE 84
CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error		Item	Change		Location of Error		Item	Change	
Mile Page & Bank	Name		From	To	Mile Page & Bank	Name		From	To
1924									
4		Line 5	Irving	Irwin	76	56.95L	D. W. Stretter	Rice Acreage	300 288
30, 190	18.45L	A. Lingsgl	General Acreage	40 30	82	240.2L	Wm. Menzel Meat Co.	General Acreage	155 135
82	114.2R	Nurse and Langdon	General Acreage	135 120	82	Table 63		Total General Acreage	93783 93763
96	114.2R	Nurse and Langdon	Add to table					Total Rice Acreage	56516 56504
			1924 Diversions	May 69	1925				
			June 35		40	32.5R	Collier Brothers	General Acreage	67 62
			July 35		48	Table 29		Total General Acreage	98493 98488
			Total 139		1926				
			General Ac. 120		56	2.9L	R. D. #13 (R. C. Ingram)	Diversions April	- 235
84	Table 71	Total General Acreage	10427	104244				May	- 623
1925									
76	Table 67 - Sacramento River, Redding to Sacramento	1925 General Acreage	76200	77100				June	- 654
		Total Acreage	134200	135300				Total	2243 3755
35, 195	56.7L	Ameda Marone	General Acreage	40 70				Total Diversions	805 1130
80, 211	76.1L	J. H. Yates	General Acreage	35 55	61	24.0L	Allie's Mutual Water Co.	Apr.	8015 8638
89	Table 72	Total General Acreage	76222	77270	62	Table 37		June	7289 7943
								Total	48528 50040
1927									
39, 154	26.95R	Hershey Estate	Diversions June	216 -	50	88.7L	W. D. DeJarnett	General Acreage	285 315
			July 388	216	54	Table 32		Total General Acreage	100836 100866
			Aug. 130	388	64	58.6	J. H. Abbey	Mile & Bank	58.6 56.8
			Sept. -	130	66	2.4R	No. Sacramento Land Co.	General Acreage	35 25
102	90.0L	Frank Beckley	Mile & Bank column	90.0L 98.0L	67	Table 39		Total General Acreage	3353 3343
105	221.0R	Johnson & Coates	Diversions July	168 158	1928				
105	Table 74	Total Diversions Apr.	31327	31328	49	63.2R	R. D. 108 (Wilkins Slough)	General Acreage	449 439
		May	206864	206871	55	Table 35		Total General Acreage	85595 85585
		June	234116	234108	56	8.65R	S. Ashe	Footnote (5)	10" 14" unit
1928									
177	24.0L	Allie's Mutual Water Co.	Footnote #3	May 19 May 18	61	4.55L	Ralph W. Pollock	General Acreage	50 75
1929									
29	56.65R	J. M. Miller	General Acreage	50 41	62	Table 39	Knights Landing Ridge Cut	General Acreage	230 255
32	59.25L	Phil B. Arnold	General Acreage	80 85	62	Table 39		Total General Acreage	6688 6713
37	193.5L	R. R. Howell	Diversions May	11 4	1929				
			June 9	12	79	43.1R	River Farms Co. (R. D. 2047 Plant)	General Acreage	5202 4540
			Aug. 20	16				Rice Acreage	2803 2083
			Sept. 6	5	80	Table 56	Knights Landing to Wilkins Slough	Total General Acreage	13120 12458
			Total 69	59	84	94.3R	Tuttle Land Co.	General Acreage	(6) 418 (5) 458
39	Table 15	Total Diversions Apr.	138283	138284	1930				
		May	204360	204352	26	30.75L	J. O. Goulart	General Acreage	38 33
		June	167378	167380	38	141.5L	Farrott-Phelan Estate	Footnote #4	Total 12000 Total 12020
		July	207785	207784	41	240.2L	Wm. Menzel Meat Co.	General Acreage	110 85
		Aug.	191346	191343	42	Table 15		Total General Acreage	96577 96547
		Sept.	107103	107102	47	28.4L	Butte Slough Irr. Co., Ltd. (West Borrow Pit of Sutter By-Pass)	Add to table	
		Total	1060203	1060199				Diversions June	239
		Total General Acreage	136914	136913				July	772
40	Maxwell I. D. (Plant #)	Diversions July	964	864				Aug.	384
1930									
26	30.75L	J. O. Goulart	General Acreage	38 33				Sept.	441
38	141.5L	Farrott-Phelan Estate	Footnote #4	Total 12000 Total 12020				Total	1436
41	240.2L	Wm. Menzel Meat Co.	General Acreage	110 85	1931				
42	Table 15	Total General Acreage	96577	96547				All Diversion Tables	Total Diversion Heading
47	28.4L	Butte Slough Irr. Co., Ltd. (West Borrow Pit of Sutter By-Pass)	Add to table						April to Oct.
			Diversions June	239	95	4.58R	R. E. Hughes (San Arnold)	Total Diversions	2242 2442
			July	772	100	11.0R	Hallwood I. D.	General Acreage	4724 4727
			Aug.	384	100	Table 62		Total General Acreage	6642 6645
			Sept.	441	1932				
			Total	1436	75	West Coast Life Ins. Co.	Mile & Bank	21.5L 21.7R	
							Diversions Aug.	4 41	
					78	59.85R	R.D. 106 (Steiner Bend Plant)	General Acreage	360 370
					78	Table 61 - Knights Landing to Wilkins Slough	Total General Acreage	7318 7779	
					85	246.3R	J. H. Diestelhorst	Diversions Sept.	168 8
								Oct.	10 4
								Total	255 89
1932									
41	63.75L	Sutter Mutual Water Co.	Footnote #4	Total 8701 Total 8512	85	Table 61 - Red Bluff to Redding	Total Diversions	Sept. 21172 21012	
								Oct.	17191 17185
								Total	116052 115886
								Av. Cu. Ft./second	356 353
								Sept.	239 238
								Total	
1933									
71	154.6R	Princeton-Odora-Glenn I. D.	General Acreage	2353 2367	85	Table 61 - Sacramento to Redding	Total Diversions	Sept. 119361 119791	
72	240.2L	Wm. Menzel Meat Co.	General Acreage	120 110				Oct.	4388 43982
102	13.9R	Mary Deterding	Total Acreage	35 70				Total	1062630 1062464
102	Table 66	Total Acreage	2848	2883				Av. cu. ft./second	2016 2013
								Sept.	715 716
								Oct.	2187 2186
								Total	119730 120191

TABLE 94
 CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA (Cont.)

Mile-Page & Bank	Location of Error Name	Item	Change		Mile-Page & Bank	Location of Error Name	Item	Change	
			From	To				From	To
1940 (Contd.)			1944						
88	4.9R R. D. 1004	Change- Note	Plant Disman- tled	No Diver- sions	T-95-5	Run off in Acre-Feet	October	5105	10130
92	0.7S Robert Swanson	Footnote #8	90 from well	60 from well	T-95-2 9.35R	Capital Company	General Acreage	335	524
95	48.3L E. F. Biggs	General Acreage	362	351	T-95-2 14.1L	Elkhorn Mutual Water Co.	Rice Acreage	2669	2160
95	Table 66	Total General Acreage	3117	30107	T-95-3	Table 98 - Sacramento to Verdona	Total General Acreage	8781	8773
97	4.2R C. Swanson & Sons	General Acreage	173	160	T-95-5 42.0R	El Dorado Ranch (Lease)	Total Rice Acreage	11687	11686
98	Table 65	Total General Acreage	861	848	T-95-5	General Acreage	307	45	
1941			1945						
85	49.7L G. J. Glenn	Correct name	G. J. Glenn	Glenn J. Hiatt	T-95-9 94.3R	Tuttle Land Co.	General Acreage	257	157
91	Table 62 - Colusa to Butte City	Total Diversions Apr. Monthly Use in % of Seasonal	15 0.1	16 0.2	T-98-10	Table 98 - Colusa to Butte City	Total General Acreage	4478	4378
94	Table 62 - Sacramento to Redding	Total Diversions Apr. Total	5274 1150116	5275 1150116	T-98-11 154.8R	Glenn-Colusa I. D.	Rice Acreage	*6227	3622*
105	55.1L Hearst Estate	Diversions Total	740	704	T-98-11 154.8R	Provident Irrigation District	General Acreage	1107	836
1942			1945						
96	158.8R Glenn-Colusa I. D.	General Acreage	30579	30649	T-98-12	Table 98 - Butte City to Red Bluff	Total General Acreage	40614	40343
97	196.6L S. & E. Erickson	General Acreage	36	73	T-98-12	Total Rice Acreage	56620	56622	
97	Table 69 - Butte City to Red Bluff	Total General Acreage	47696	47765	T-98-13	Table 98 - Sacramento to Redding	Total General Acreage	111671	111633
98	Table 69 - Sacramento to Redding	Total General Acreage	111226	111293	T-98-13	Total Rice Acreage	12243	122194	
107	18.75R G. C. Shannon	General Acreage	24	74	T-99-2 22.0R	Henry Jameson Estate	Rice Acreage	160	360
108	Table 74	Total General Acreage	38477	25177	T-99-2	Table 99 - Colusa Trough	Total Rice Acreage	4487	4687
1943			1945						
93	81.9R Steidlmayer Bros.	General Acreage	860	760	T-100-1 1.45R	River Farms Co.	Footnote (1)	Deleted	(1)
93	27.7R Swinford Tract Irr. Co.	Total Diversions	260	270	T-100-1 24.6L	H. H. Balsdon	General Acreage	725	745
93	Table 71 - Wilkins Slough to Colusa	Total Diversions	24118	27294	T-100-2	Table 100	Total General Acreage	965	985
		April	72132	79393	103	18.0R Harms Brothers	Footnote 19		Add: "at which time it was listed as Mile 18.95R"
		May	68403	73922					
		June	68486	78376	105	43.1R R. D. 2047	General Acreage	1447	1447
		July	68837	78725	105	60.4L F. L. Burrell	Rice Acreage	150	50
		Aug.	35620	40501	105	Table 109 - Knights Landing to Wilkins Slough	Total General Acreage	3757	9657
		Sept.	125	135	105	Table 109 - Knights Landing to Wilkins Slough	Total Rice Acreage	13094	12994
		Oct.	333715	378346	107	141.5L M & T Inc. & Parrott Investment Co.	General Acreage	4020	4096
		Total	405	459	107	Table 109 - Sacramento to Redding	Rice Acreage	1960	1962
		Av. Cu. Ft./second	1174	1293	108	Table 109 - Sacramento to Redding	Total General Acreage	36103	36179
		April	1081	1243	108	Table 109 - Sacramento to Redding	Total Rice Acreage	48715	48717
		May	1114	1276	110	0.1L Beck Barr & Pitt - River Farms	Total Diversions	5768	5641
		June	1120	1252	110	Table 112, Kenneth Lowe	Total Rice Acreage	5428	5304
		July	599	681	110	Table 112, Kenneth Lowe	Total General Acreage	10654	10651
		Aug.	686	778	110	Table 112, Kenneth Lowe	Total Rice Acreage	115115	115017
		Sept.	686	778	110	Table 112, Kenneth Lowe	Total Diversions	1748	4748
		Oct.	333715	378346	110	Table 112, Kenneth Lowe	Rice Acreage	400	400
		Total	405	459	110	Table 112, Kenneth Lowe	Total Rice Acreage	**72	**70
		Av. Cu. Ft./second	1174	1293	112	1.4N (1.75) E. H. Christensen (Hale Ranch)	Change- note	Plant removed	M. Diver- sion
		April	1081	1243	113	2.6R Walter Raymond	June Diversion	763	716
		May	1114	1276	113	Table 116	Total Diversion	796	716
		June	1120	1252	113	Table 116	Total General Diversion	13891	13867
		July	599	681	114	14.5H Yuba Consolidated Gold Fields	Total Diversion	19834	69344
		Aug.	686	778	1946				
		Sept.	686	778	103	9.35R Capital Co. (Utterback)	General Acreage	165	164
		Oct.	333715	378346	103	14.1L Elkhorn Mutual Water Co.	General Acreage	238	238
		Total	405	459	104	Table 111 - Sacramento to Verdona	Total General Acreage	1722	1076
		Av. Cu. Ft./second	1174	1293	106	69.0R J. L. Browning	General Acreage	230	471
		April	1081	1243	106	67.5L N. S. Land & Farming Co.	General Acreage	(6) 21	(6) 21
		May	1114	1276	106	71.1L Merrill Farm Water Co.	Footnote (1)	74	71
		June	1120	1252	107	67.7L W. D. Odehmitt & Mayfair Packing Co.	Rice Acreage	301	321
		July	599	681	107	Table 111 - Wilkins Slough to Colusa	Total General Acreage	10861	1107
		Aug.	686	778	108	12.1L R. D. 1004	Diversions Total	17010	471
		Sept.	686	778	108	Table 111 - Colusa to Butte City	Total Rice Acreage	8444	6444
		Oct.	333715	378346					

TABLE 84
 CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA (Contd.)

Page & Bank	Mile Page & Bank	Location of Error	Name	Item	Change		Mile Page & Bank	Location of Error	Name	Item	Change	
					From	To					From	To
100	14.4R	Butte City Red Bluff	General Acreage	4795		111	Table 106		Total Rice Acreage	4795	4795	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions	112	14.4L	River Farms Company	Diversions	4404	4404	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				March	84	85	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				April	8846	885	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				May	1789	179	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				June	1108	511	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				Aug.	1593	159	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				Sept.	441	44	
100	14.4R	Princeton-Colusa I. D.	Footnote (4)	General Acreage	Total Diversions				Total	26014	2602	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Total Diversions	4577	573	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				March	1810	1050	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				April	17659	3698	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				May	12195	10985	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				June	20392	15757	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Aug.	15261	1287	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Sept.	10433	7445	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Total	82497	5085	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Av. 2. Ft./second	74	4.3	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				March	30	18	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				April	287	158	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				May	205	178	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				June	332	257	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Aug.	248	225	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Sept.	175	123	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Total	170	122	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Monthly use in Ft. Seasnal	5.5	0.9	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				March	2.2	1.8	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				April	21.4	16.4	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				May	14.8	12.3	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				June	24.8	26.7	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				July	18.5	23.4	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Aug.	12.6	12.4	
109	24.4R	Princeton-Colusa I. D.	General Acreage	3464	3331				Sept.	-	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Monthly Diversions	-	500	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	March	-	300	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	April	-	650	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	May	-	650	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	June	-	700	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	-	600	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	August	-	600	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	September	-	400	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	October	-	4400	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	-	4400	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Add Footnote: Accs. listed under Sacramento River, Mile 112.1L	-	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Delete note	Delete note	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	"N"	"N"	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Diversions	1	1	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	-	2	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Sept.	-	1	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Oct.	-	4	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	-	1	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	-	5	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total Diversions	1737	1738	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	1050	1032	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Sept.	435	436	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Oct.	588	587	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	1628	1633	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	1628	1633	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	1949			
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	150	250	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	14341	4441	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	15	2295	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	780	880	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Rice Acreage	780	880	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	5511	6298	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total Rice Acreage	7337	74-7	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Change name	Ross Mrs. W. Wilbur	D. D. Jarrett	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	3468	3469	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Diversions	33	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Oct.	104	22	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	0	104	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	26128	26158	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	48721	4872	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	24	14	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	14375	14365	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total General Acreage	143495	144403	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total Rice Acreage	77.69	137.69	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Footnote (x)	Nov. 18	Nov. 150 & Dec. 50	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Change name	Hallwood Irrigation District	Hallwood Irrigation Company	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	General Acreage	45	470	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Footnote (x)	17	17	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total Rice Acreage	3353	3348	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total Diversions	36701	36984	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	1593474	1594157	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	567	569	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Av. C. Ft./second	38	84	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	25	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Total	25	-	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	Monthly use in Ft. Seasnal	24	25	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Slough (listed as 14.4R after 1949)	July	14	14	
110	Opp. 7.4R	Charles Welch	General Acreage	200	-	114	13.2R	Table 111 - Lower Butte Creek & Butte Sl				

CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA (Cont.)

1950 (Contd.)			1951 (Contd.)									
Mile Page & Bank	Location of Error Name	Item	Change From	To	Mile Page & Bank	Location of Error Name	Item	Change From	To			
131	80.4L	Meridian Farms Water Co. #1 & #3	Footnote (u)	In-cludes 1005 acres	an ad-ditional 960 acres of gen-eral crops	144	Table 209 - Flow for minimum 10-day period	Sa-rament & San Joaquin Delta - 1951	4350	8690		
132		Wilkins Slough to Colusa	General Acreage	19099	19296	53	Table 4 - San Joaquin River Delta - Mendota Canal	Deliveries - Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Total	-169 43253 64031 119288 60656 173429 196487 174795 107779 54734 13492 498	0 24921 59848 99325 147710 182006 194400 97507 44198 9572 0		
132	88.4L	Rosa Wilbur	Change name	Rosa Wilbur	Mrs. W. D. De-Jarnett			Measured Inflow Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Total	25059 68630 74472 129241 151462 179822 138355 177492 110145 57316 21846 15380	19890 43266 65287 109278 134825 154103 163874 152101 99873 46780 17926 14882 1022085		
133	112.4R	Princeton-Codora-Glenn I. D.	Footnotes (c) and (b)	Delete from (c) & add to (b). Includes 772 acres of duck club lands of which 557 are reused rice lands. Includes 330 acres rice and 75 acres general crop lands outside district.				Unmeasured Accretions Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Total	-7086 -26137 -14473 -24495 -23621 -34559 -45417 -32993 -17665 -7854 -4578 -1055 -249933	-1917 -10773 -5288 -4532 -6984 -8843 -10936 -7598 -7393 +2662 -658 -557 -62794		
135	240.5L	Anderson-Cottonwood I. D.	General Acreage	18610	18360			Unmeasured Accretions Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Total	+3369 +3951 +42325 +34245 +35809 +17506 -22937 -13219 +5049 +7796 -6043 -19262 +130579	+14538 +29315 +51510 +54208 +42446 +33225 +11544 +11456 +15321 +18332 -2963 +19760 +317718		
135		Table 152 - Red Bluff to Redding	Total General Acreage	19087	18037			Mile & Bank	34.1R	43.1R		
135		Table 152 - Sacramento to Redding	Total General Acreage	152817	152764			Diversions - Dec.	6833	5833		
138	32.6R	Federal Fish & Wildlife	Note (c)	Delete from Gen-eral Acreage. Add to Rice Acreage.			176 186.6L	Diversions - May	8 99	6009		
140	0.9E	Butte Slough - George Smith	Diversions June	-	10		176 219.8R	Net Deliveries April June July Aug. Sept. Nov. Total	4449 44167 16106 161207 49809 97288 3575	49167 146260 161207 48629 97288 9572		
140							187	Table 202 - Delta-Mendota Canal				
143	9.75L	I. O. Zumwalt	Rice Acreage	427	456			Table 218 - Flow for minimum 10-day period	4350	8690		
141		Colusa Trough	Total Rice Acreage	6640	6669			Table 221 - San Joaquin River at Friant	March 15 Parts millin Na K	0.8 4.8 4.8		
145	0.0	Butte Slough Irr. Co., Ltd.	Footnote (v)	Add footnote (v): Mile 0.0 was listed as Mile 1.34 prior to 1951.				Table 127 - San Joaquin River at White house	March acre-feet	6.3 634		
171		Table 193 - Annual Monthly Comparative Diversions	April - 1951	254102	252680			Table 14:				
177		Table 204 - Wilkins Slough to Knight Landing	Seasonal Diversions - 1951	1974726	1973304			Table 184 - Sutter Bypass & Sacramento Slough	Footnote Table	add to Table (c) acreage com-bined with Mile 1.4N		
172		Table 48	Runoff in acre-feet July	36910	36320							
172			Water year total	591360	590770							
172			Calendar year total	651590	651000							
142	1.8L	Wayne Hall	Footnote (h)	C. Reische	F. Reische							
147	10.5L (0.4)	Lloyd Kahn	Mile & Bank	10.5L (0.4)	10.5L (0.4E)							
154	32.2R	A. C. Rackerby	Diversions-October	88	-							
154			Total Diversions	70	88							
154			General Acreage	-	70							
97		Table 94	Daily Flow	May 20 755 730 May 21 1200 1220 May 25 1540 1670 May 27 1670 1690 May 29 2150 1250 May 28 2320 1100 May 29 2320 1100 May 30 2310 1100 May 31 2320 1100 Mean 1104 219								
97			Runoff in acre-feet	79571	56520							
97			Daily flow	June 1 2370 1100 June 2 1350 1520 June 8 2200 2220 June 10 1670 1640 June 11 1720 1580 June 12 1720 1580 June 13 1720 1580 June 14 1670 1610 June 15 1420 1880 June 16 1600 1770 June 17 1460 1820 June 18 1433 1990 June 19 327 2460 June 20 374 2300 June 21 582 2970 June 22 262 3570 June 23 977 2420 June 24 177 1900 June 25 14 2290 June 26 1470 2000 June 27 1390 1860 June 28 46 1780 June 29 540 1530 Mean 1486 1913								
97			Runoff in acre-feet	89450	118800							
97			Water year total	512730	526700							
97			Calendar Year Total	518130	537130							
196		Table 218 - Flow for minimum 10-day period										
214		Table 221 - San Joaquin River at Friant										
95		Table 127 - San Joaquin River at White house										
102		Table 14:										
134	12.95R	Lewis Tarrant	Mile & Bank Column	12.95R	12.95L							
147	42.3R	El Dredo Ranch	Number & Size Pump	1-14" 1-14"	1-16" 1-16"							
148	46.1L	J. H. Henle	Total Diversions	4.8	4.8							
148			Change name	J. H. Henle	J. R. Henle							
148	61.4L	Richard Moore	Mile & Bank Column	61.5L	61.5R							
148		Table 73										
147	57.1L (0.1)	Federal Fish & Wildlife Service	Av. Cu. Ft./second July - 1951	509	492							
140	5N	Table 184 - Sutter Bypass & Sacramento Slough	Footnote Table	add to Table (c) acreage com-bined with Mile 1.4N								

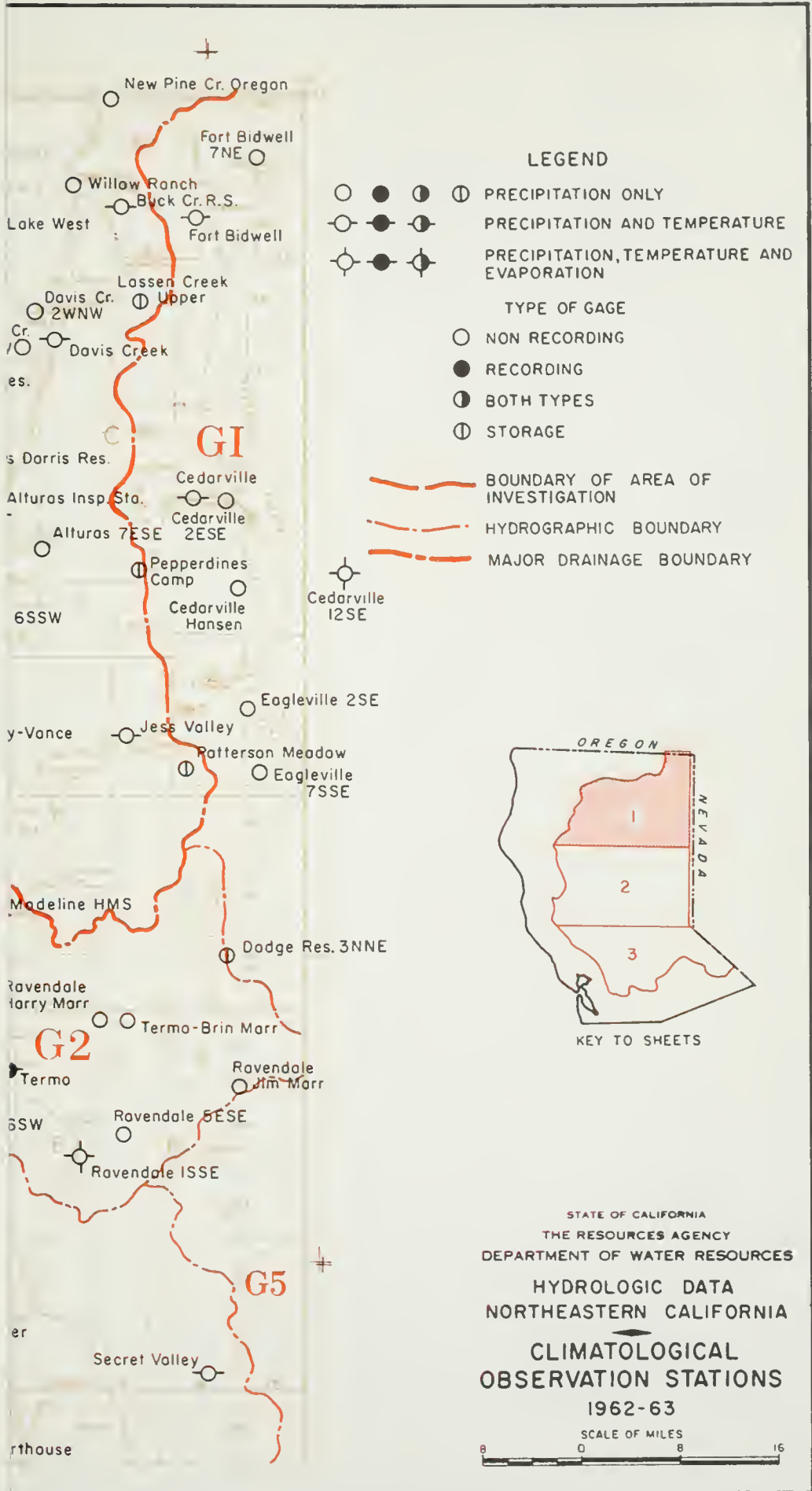
TABLE 84
CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA (Contd.)

Mile Page & Bank	Location of Error Name	Item	Change		Mile Page & Bank	Location of Error Name	Item	Change		
			From	To				From	To	
<u>1950 (Contd.)</u>										
159	4.2R (2.0)	Mounds Farms	Total Diversion General Acreage	c 1576 d 700	d 1576 c 700	159	9.0	--"M" STREET BRIDGE--	Mile & Bank	Add 59.0
160	5/5-24D	Barnes Run-h	Mile & Bank	5/5-24D	5/5-29D	160	1.1	--NILLS FERRY BRIDGE--	Mile & Bank	Add 1.1
162		Rancho El Peasadera	Change name	Rancho El Peasadera	Rancho El Peasadero	160	11.2-R	M. Turner	No. & Size Pump	Add 1.2"
<u>1956</u>										
26		Table 14 - Daily Content of Shasta Lake	Monthly Change in Storage Aug.	+100.4	-100.3	166	16.49	--RECORDING GAGE--	Mile & Bank	Add "16.49" & relocate in proper position
<u>1957</u>										
177	141.5L	Table 209	Note h	Additional acre-feet diverted, etc., April 2680 May 6075 June 4461, July 2850 August 3066, Sept. 2807 October 924	Additional acre-ft. diverted, etc., April 2680 May 6075 June 4461, July 2850 August 3066, Sept. 2807 October 924	*36		Sacramento River at Verona	Date of Crest	1/14/57 1/15/57
<u>1958</u>										
		Note 1	This acreage also received an undetermined amount of water from Butte Creek	Delete		*44		McLeod Lake at Stockton	Period of Record	DEC 27-DATE NOV 33-DATE
						*47		Sacramento River at Walnut Grove	Maximum Discharge 1957-58 Water Year of Record	12.4 4/4/58 12.3 2/8/42 12/24/55 12/25/55
						*48		San Joaquin River at Venice Island	Period of Record	JAN 28-DATE OCT 27-DATE
127	51.1R	R. D. 106 (Tyndall Mound)	Diversion May July Total Diversion	9284 9406 19965	981 887 3043	144		Table 123 - San Joaquin River at Grayson	Daily Mean Discharge May 1 2 3 4 5 6	14900 9920 15000 9700 14800 9505 14700 9455 16100 9660 15100 9920
128	62.6R	Jake Lovvich	Change name	Jake Lovvich	Jake Lovvich Estate	*84	19.2	American River at Fair Oaks	Mile & Bank	19.2 21.4
128		Table 206 - Knight's Landing & Wilkins Slough	Totals May July Total Av. Cu. Ft./second May July Total Monthly Use in % of Total Apr. May June July Aug. Sept.	37440 45500 173100 609 740 356 7.9 21.7 17.0 26.3 18.6 8.5	29030 36980 156200 472 601 321 8.8 18.5 18.8 23.7 20.6 9.5	*92	31.1R	Lola E. Hunt	No. & Size Pump	bv 1-10" bw 1-10"
						*93		Eva Hunt	No. & Size Pump	bv 1-8" bw 1-8"
<u>1959</u>										
		Table 209 - Butte City & Red Bluff	Mile & Bank 24.2R (1.5W) 25.8L (2.5W) 27.2R (0.1) 27.2R (2.6W) Photnote (J)	Opp. 61.2R (1.5) Opp. 62.8L (2.5) 27.2R (0.1) Opp. 64.2R (2.6)		*42		Table 20 - Average Unimpaired Runoff	Water Year 1958	116 166
						*34		Calaveras River at Bellota	Regulator	Stockton Irrigation District Stockton East San Joaquin Water Conservation District
131	95.25L	Roger Wilber	Change name	Roger Wilber	Roger Wilbur	*35		Calaveras River near Stockton	Regulator	Stockton Irrigation District Stockton East San Joaquin Water Conservation District
131	114.9R	Emerson Be. Estes	Change name	Emerson Be. Estes	Emerson B. Estes	*42		McLeod Lake at Stockton	Period of Record	DEC 27-DATE NOV 33-DATE
132	161.45L	Jonathan Orst	No. & size Pump	1-6" x 2-8" 1-14"	1-6" x 2-8" 1-14"	*3		Sacramento River at Walnut Grove	Maximum Discharge of Record	4 4/58 12/8/42 12/24/55 12/25/55
133		Table 209 - Butte City & Red Bluff	Mile & Bank 24.2R (1.5W) 25.8L (2.5W) 27.2R (0.1) 27.2R (2.6W) Photnote (J)	Opp. 61.2R (1.5) Opp. 62.8L (2.5) 27.2R (0.1) Opp. 64.2R (2.6)		*42		McLeod Lake at Stockton	Period of Record	DEC 27-DATE NOV 33-DATE
134	240.0R	Anderson-Cornwall District	Total Diversion Av. Cu. Ft./second May July Total Monthly Use in % of Total April May June July Aug. Sept.	151604 313900 394300 1821300 5202 6414 3748 11.0 17.6 18.7 21.7 19.6 9.3	115604 311500 385800 1804400 5066 6275 3717 11.1 7.5 15.9 21.4 19.8 10.0	*154	27.5R	Sacramento River Ranch	Mile & Bank	27.5R 22.5R
		Table 210 - Sacramento River - Sacramento to Redding				*174	19.2R	American River at Fair Oaks	Mile & Bank	19.2 21.4
						*183	2.95	Pescadero Reclamation District 2058 (#1)	Mile & Bank	2.95 2.35
						206		Table 226 - Maximar Observed Salinity at Bay & Delta Salinity Stations	Water Year 1950	116 166
<u>1960</u>										
159	0.3E	Table 214, Mrs. Mamie M. Smith	Add name, 1-17" pump, & "no diversion" to table.			*c		Calaveras River at Bellota	Regulator	Stockton Irrigation District Stockton East San Joaquin Water Conservation District
140	0.5S	T. H. Richards	No. & Size Pump		Add 1-18"					
140	8.0R (0.45)	O. O. Orick	No. & Size Pump	1-16"	1-16"					
156	62.0L	Bernice Van Soster	Change name	Bernice Van Soster	Bernice Van Sosten					
156	66.0R	Alexander Nilderbrand	Change name	Alexander Nilderbrand	Alexander Nilderbrand					

TABLE 34
CHANGES TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA (Contd.)

Mile Page & Bank	Location of Error	Item	Change		Mile Page & Bank	Location of Error	Item	Change	
			From	To				From	To
1960 (Contd.)									
*42	California River near Stockton	Regulator	Stockton Irrigation District	Stockton East San Joaquin Water Conservation District	*43	Cliver Creek at Upper Lake	Maximum Discharge Water Year Date	12 1/61	12 1/61
*40	Meadow Lake at Stockton	Period of Record	DEC 27-DATE	NOV 33-DATE	*47	Meadow Lake at Stockton	Period of Record	NOV 27-DATE	NOV 15-DATE
*41	Sacramento River at Walnut Grove	Maximum Discharge of Record	4/4/58	12/8/42 12/24/55 12/25/55	*49	Sacramento River at Walnut Grove	Maximum Discharge of Record	4 4 58	12 8 42 12 24 55 12 25 55
*48	San Joaquin River at Venice Island	Period of Record	JAN 28-DATE	OCT 27-DATE	*49	San Joaquin River at Venice Island	Period of Record	JAN 28-DATE	OCT 27-DATE
*45	Scott Creek at Upper Lake	Description	Elevation of Upper Lake	Elevation of Clear Lake	*49	Scott Creek at Upper Lake	Description	Elevation of Upper Lake	Elevation of Clear Lake
*103 19.2R	American River at Fair Oaks	Mile & Bank	19.2	21.4	*114	Cahoe Creek above Rumsey	Total Ac. Ft. Div.	20530	20540
*88	Natomas Water Company	Total acre-feet diverted	Jan. 1752 Feb. 1961 March 2298 April 2719 May 2690 June 2610 July 2565 Aug. 2081 Sept. 1299 Oct. 1189 Total 25476	1752 1961 2298 2719 2690 2610 2565 2081 1299 1189 25476	*137	Marmon Slough at Bellota	Av. Cu. Ft. Second Jan. 7.1 Total Av. Ft. Jan. Water Year 7456	436	0.0 418 7440
		Av. Cu. Ft./second	Jan. 29 Feb. 34 March 37 April 46 May 44 June 44 July 42 Aug. 34 Sept. 22 Oct. 19 Total 35	29 34 37 46 44 44 42 34 22 19 35	*165 19.2R	American River at Fair Oaks	Mile & Bank	19.2	21.4
		Monthly use in % of Seasonal	Nov. 8.7 Dec. 8.1 Jan. 6.9 Feb. 7.7 March 9.0 April 10.7 May 10.6 June 10.2 July 10.1 Aug. 8.2 Sept. 5.1 Oct. 4.7	8.7 8.1 6.9 7.7 9.0 10.7 10.6 10.2 10.1 8.2 5.1 4.7	*178 6/2-26J	Isabella Wineman	Diversions April 1460 May 2000 June 600 Total 4977	1460 2000 600 4977	46 180 343 1685
*188	San Juan Suburban Water District	Total acre-feet diverted	Jan. 1260 Feb. 2230 March 3292 April 4382 May 4695 June 4280 July 3570 Aug. 3044 Sept. 1349 Oct. 1098 Total 33432	1260 2230 3292 4382 4695 4280 3570 3044 1349 1098 33432					
		Av. Cu. Ft./second	Jan. 29 Feb. 39 March 54 April 74 May 76 June 72 July 58 Aug. 50 Sept. 21 Oct. 18 Total 46	29 39 54 74 76 74 58 50 21 18 46					
		Monthly use in % of Seasonal	Nov. 7.4 Dec. 5.3 Jan. 5.8 Feb. 6.7 March 9.8 April 13.1 May 14.0 June 12.8 July 10.7 Aug. 9.1 Sept. 4.0 Oct. 3.3	7.4 5.3 5.8 6.7 9.8 13.1 14.0 12.8 10.7 9.1 4.0 3.3					
1961									
*46	California River at Bellota	Regulator	Stockton Irrigation District	Stockton East San Joaquin Water Conservation District					
*46	California River near Stockton	Regulator	Stockton Irrigation District	Stockton East San Joaquin Water Conservation District					

* Changes not previously reported.





LEGEND

- ● ⊕ PRECIPITATION ONLY
- ● ⊕ PRECIPITATION AND TEMPERATURE
- ● ⊕ PRECIPITATION, TEMPERATURE AND EVAPORATION

TYPE OF GAGE

- NDN RECORDING
- RECORDING
- ⊕ BOTH TYPES
- ⊕ STORAGE

— BOUNDARY OF AREA OF INVESTIGATION

- - - HYDROGRAPHIC BOUNDARY

— MAJOR DRAINAGE BOUNDARY



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 NORTHEASTERN CALIFORNIA
 CLIMATOLOGICAL
 OBSERVATION STATIONS
 1962-63
 SCALE OF MILES



LEGEND

- ● ○ ○ PRECIPITATION ONLY
- ● ○ ○ ○ PRECIPITATION AND TEMPERATURE
- ● ○ ○ ○ ○ PRECIPITATION, TEMPERATURE AND EVAPORATION
- TYPE OF GAGE
- NON RECORDING
- RECORDING
- ○ BOTH TYPES
- ○ STORAGE

- BOUNDARY OF AREA OF INVESTIGATION
- HYDROGRAPHIC BOUNDARY
- MAJOR DRAINAGE BOUNDARY



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 NORTHEASTERN CALIFORNIA
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 1962-63

SCALE OF MILES
 0 4 8 16



LEGEND

- ● ○ ○ PRECIPITATION ONLY
- ● ○ ● PRECIPITATION AND TEMPERATURE
- ● ○ ● ● PRECIPITATION, TEMPERATURE AND EVAPORATION

TYPE OF GAGE

- NON RECORDING
- RECORDING
- ● BOTH TYPES
- STORAGE

— BOUNDARY OF AREA OF INVESTIGATION

- - - HYDROGRAPHIC BOUNDARY

— MAJOR DRAINAGE BOUNDARY

- | | |
|-------------------------|-----------------------------------|
| 1 ○ North Sacramento | 12 ○ Country Club Center |
| 2 ● Sacramento City W B | 13 ○ Town B Country Gonser |
| 3 ○ Sacramento 3 SSW | 14 ● Arden & Mission |
| 4 ● Sacramento AP | 15 ○ Arden Park Bailey |
| 5 ○ Sacramento-Huffman | 16 ○ West Carmichael |
| 6 ○ McClellan AFB | 17 ○ Carmichael |
| 7 ○ Citrus Heights | 18 ● Rancho Cordova Fire Sta |
| 8 ● Dewey B Winding Way | 19 ○ Fair Oaks |
| 9 ○ Faathill Farms | 20 ○ Orangevale Beach |
| 10 ○ Del Paso Park | 21 ● Hazel-Roediger Lone |
| 11 ○ Town B County | 22 ● Folsom Dam |
| | 23 ● Sacramento County Boys Ranch |



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**HYDROLOGIC DATA
 NORTHEASTERN CALIFORNIA
 CLIMATOLOGICAL
 OBSERVATION STATIONS
 1962-63**

SCALE OF MILES
 0 5 10

SURFACE WATER MEASUREMENT STATIONS

HYDROGRAPHIC AREA A

Sacramento Valley Floor
 A03545 North Fork Cottonwood Creek near Igo

Pit River
 A11349 Horse Creek at Little Valley
 1710 Turner Creek near Canby
 1765 Pit River below Alturas
 1810 Big Sage Reservoir near Alturas
 3055 North Fork Davis Creek near Davis Creek
 3060 Lassen Creek near Willow Ranch
 3065 Willow Creek near Willow Ranch
 4100 Pine Creek near Alturas
 4500 South Fork Pit River near Jess Valley
 5150 Burney Creek near Burney
 6100 Hat Creek near Cassel
 7220 Fall River near Dana
 2170 Willow Creek near Adin
 2250 Butte Creek near Adin
 2350 Ash Creek at Adin
 2400 Rush Creek near Adin

Shasta Lake
 A2710 Sacramento River at Keswick
 1050 Shasta Lake
 1600 Sacramento River near Mount Shasta

Sacramento Valley West Side
 A36150 Clear Creek near Igo

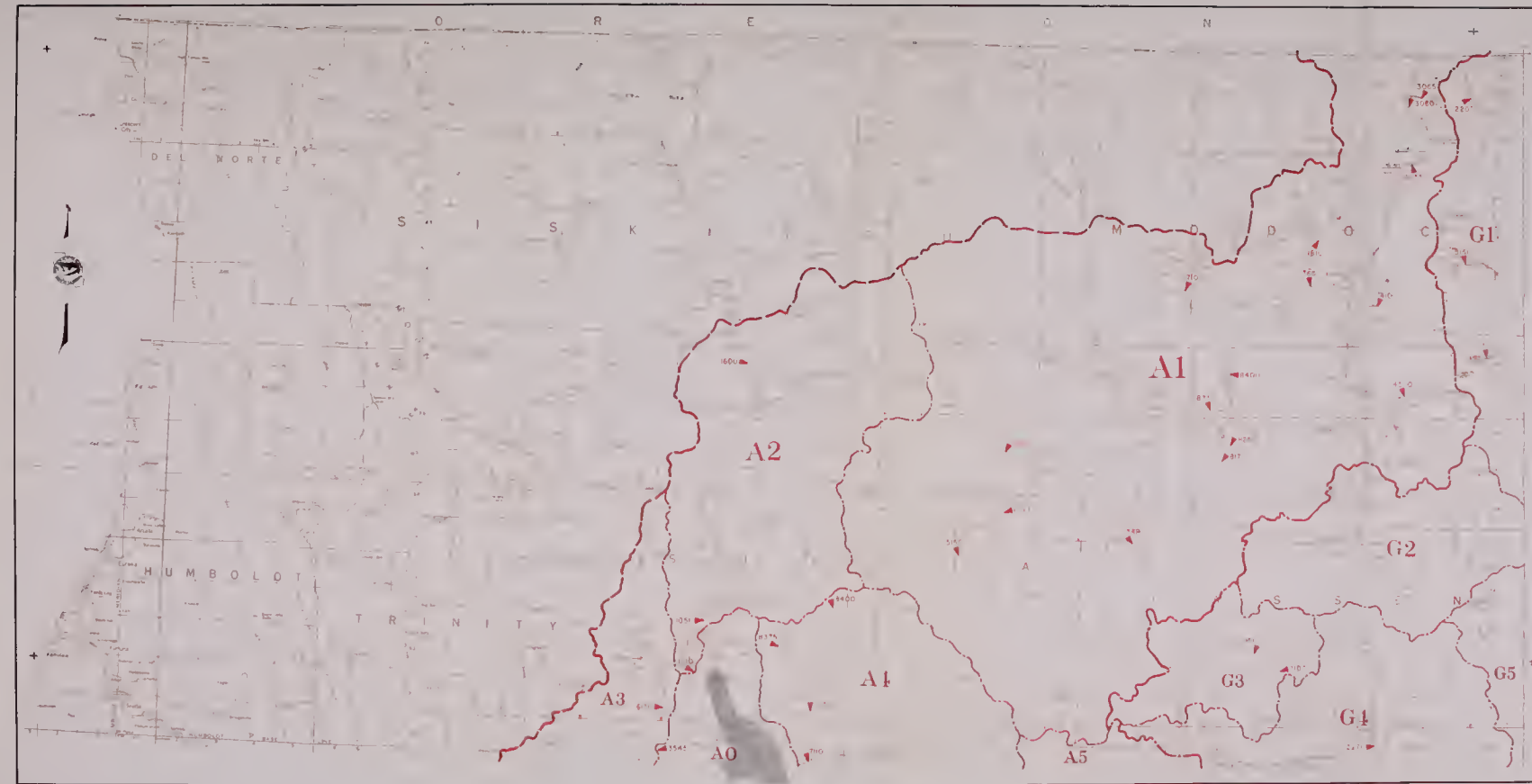
Sacramento Valley Northeast
 A40750 Bear Creek near Millville
 7110 Battle Creek near Cottonwood
 8375 Salt Creek near Bella Vista
 6400 Little Cow Creek near Ingot

HYDROGRAPHIC AREA G

Surprise Valley
 012200 Bidwell Creek near Fort Bidwell
 5150 Cedar Creek at Cedarville
 7150 Eagle Creek at Eagleville

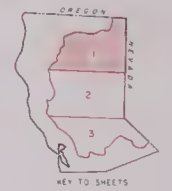
Eagle Lake
 031150 Pine Creek near Susanville
 2100 Eagle Lake near Susanville

Susan River
 042270 Willow Creek near Litchfield



LEGEND

- BOUNDARY OF AREA OF INVESTIGATION
- MAJOR DRAINAGE BOUNDARY
- A5 HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
- ▲ MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER
- AREA OF OVERSEAS MEASUREMENTS



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 WATER MEASUREMENT STATIONS
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LEGEND

- BOUNDARY OF AREA OF INVESTIGATION
- MAJOR DRAINAGE BOUNDARY
- HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
- MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER
- AREA OF DIVERSION MEASUREMENTS

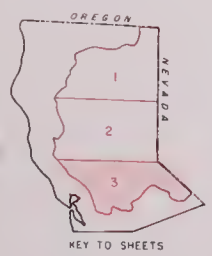


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 1963
 SCALE OF MILES



LEGEND

- BOUNDARY OF AREA OF INVESTIGATION
- MAJOR DRAINAGE BOUNDARY
- HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
- MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER
- AREA OF DIVERSION MEASUREMENTS



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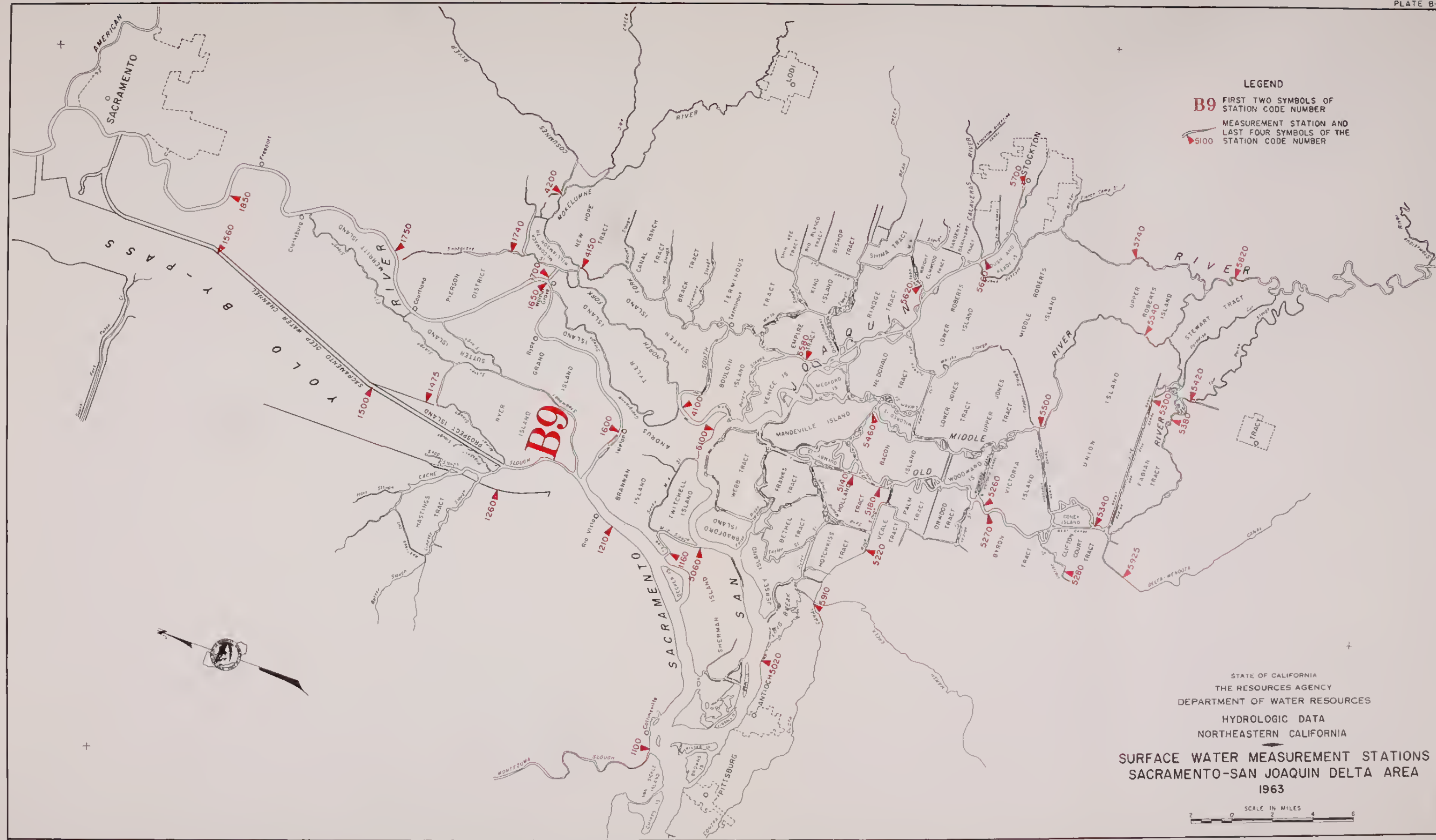
**LOCATION OF SURFACE
 WATER MEASUREMENT STATIONS**
 1963

SCALE OF MILES
 0 8 16

SURFACE WATER MEASUREMENT STATIONS

HYDROGRAPHIC AREA B

- Sacramento San Joaquin Delta
- B91100 Sacramento River at Collinsville
 - 1160 Threemile Slough at Sacramento River
 - 1210 Sacramento River at Rio Vista
 - 1260 Yolo Bypass at Lindsay Slough
 - 1475 Miner Slough at Five Points
 - 1500 Yolo Bypass at Liberty Island near Lisbon
 - 1560 Sacramento River at Isleton at Walnut Grove
 - 1600 Delta Cross Channel at Walnut Grove
 - 1700 Snodgrass Slough at Twin Cities Road Bridge
 - 1740 Sacramento River at Snodgrass Slough
 - 1850 at Freeport
 - 4100 Georgiana Slough at Mokelumne River
 - 4150 South Fork Mokelumne River at New Hope Bridge
 - 4200 Mokelumne River near Thornton
 - 5020 San Joaquin River at Antioch
 - 5060 Threemile Slough at San Joaquin River
 - 5100 San Joaquin River at San Andreas Landing
 - 5140 Old River at Holland Tract near Rock Slough
 - 5180 Rock Slough at Contra Costa Canal Intake
 - 5220 Old River at Mansion House near Byron
 - 5270 Italian Slough near Byron
 - 5300 Grant Line Canal at Tracy Road Bridge
 - 5340 Old River at Clifton Court Ferry near Tracy Road Bridge
 - 5380 Tom Paine Slough above Mouth
 - 5420 Middle River at Bacon Island
 - 5500 at Borden Highway
 - 5540 at Mowry Bridge
 - 5580 San Joaquin River at Venice Island
 - 5620 at Rindge Pump
 - 5660 Stockton Ship Channel at Burns Cutoff
 - 5700 McLeod Lake at Stockton
 - 5740 San Joaquin River at Brandt Bridge
 - 5820 at Mossdale Bridge
 - 5910 Contra Costa Canal near Oakley
 - 5925 Delta Mendota Canal near Tracy



LEGEND

B9 FIRST TWO SYMBOLS OF STATION CODE NUMBER

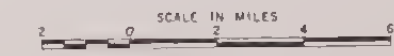
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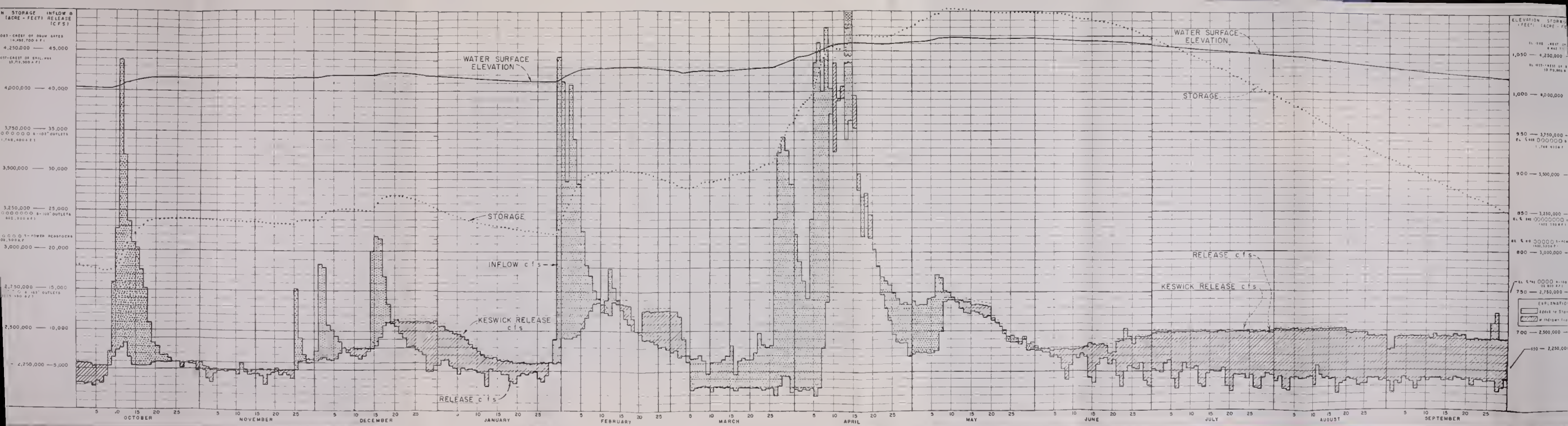
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 NORTHEASTERN CALIFORNIA

**SURFACE WATER MEASUREMENT STATIONS
 SACRAMENTO-SAN JOAQUIN DELTA AREA
 1963**





ELEVATION (FEET) STORAGE (ACRE - FEET) INFLOW & RELEASE (C.F.S.)

EL. 1065 - CREST OF DRUM GATES (14,492,700 A.F.)

1,050 — 4,250,000 — 45,000

EL. 1037 - CREST OF SPILLWAY (13,713,500 A.F.)

1,000 — 4,000,000 — 40,000

950 — 3,750,000 — 35,000
 EL. 942 0 0 0 0 0 0 6-102" OUTLETS (1,748,400 A.F.)

900 — 3,500,000 — 30,000

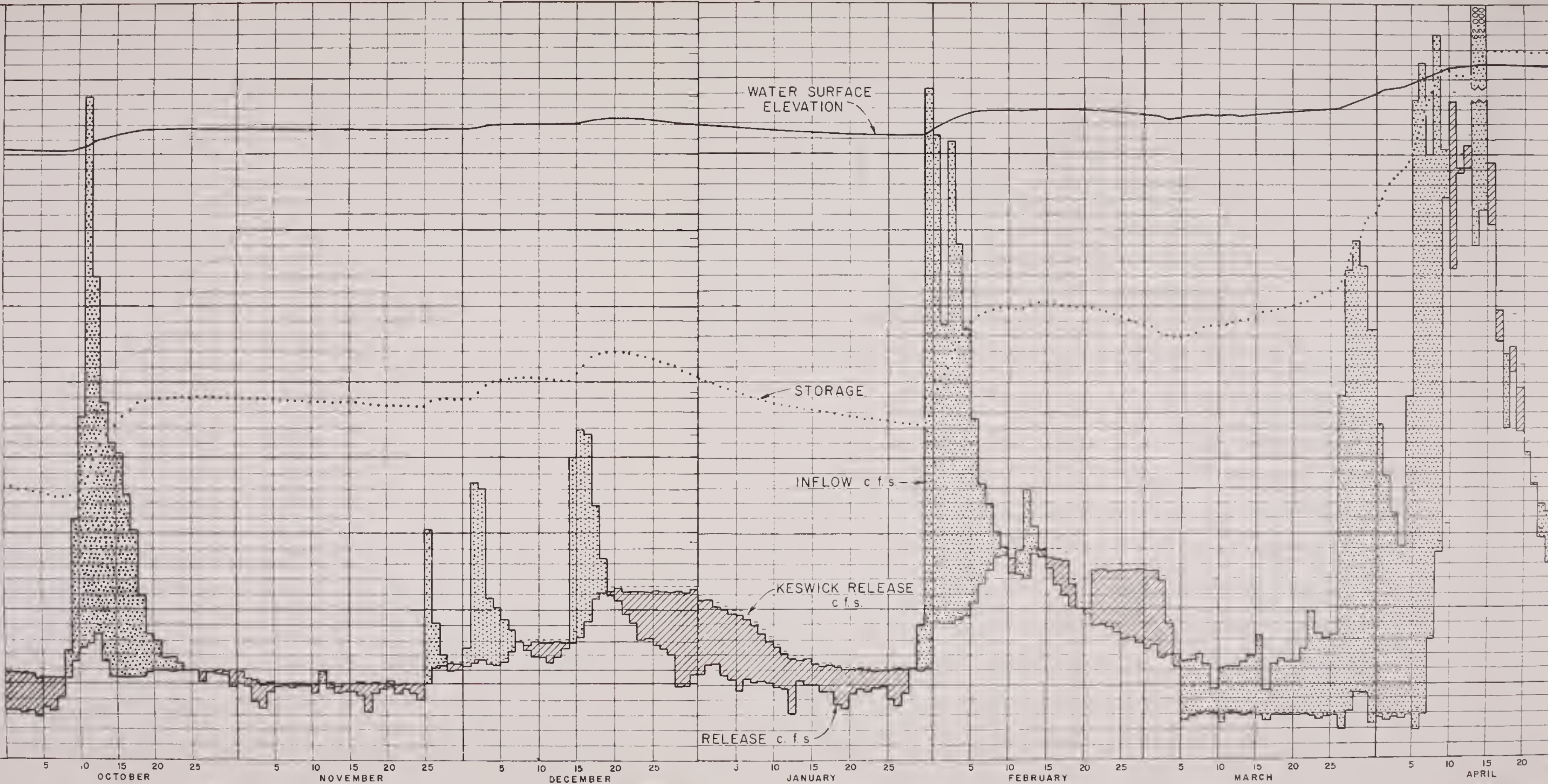
850 — 3,250,000 — 25,000
 EL. 842 0 0 0 0 0 0 8-102" OUTLETS (602,300 A.F.)

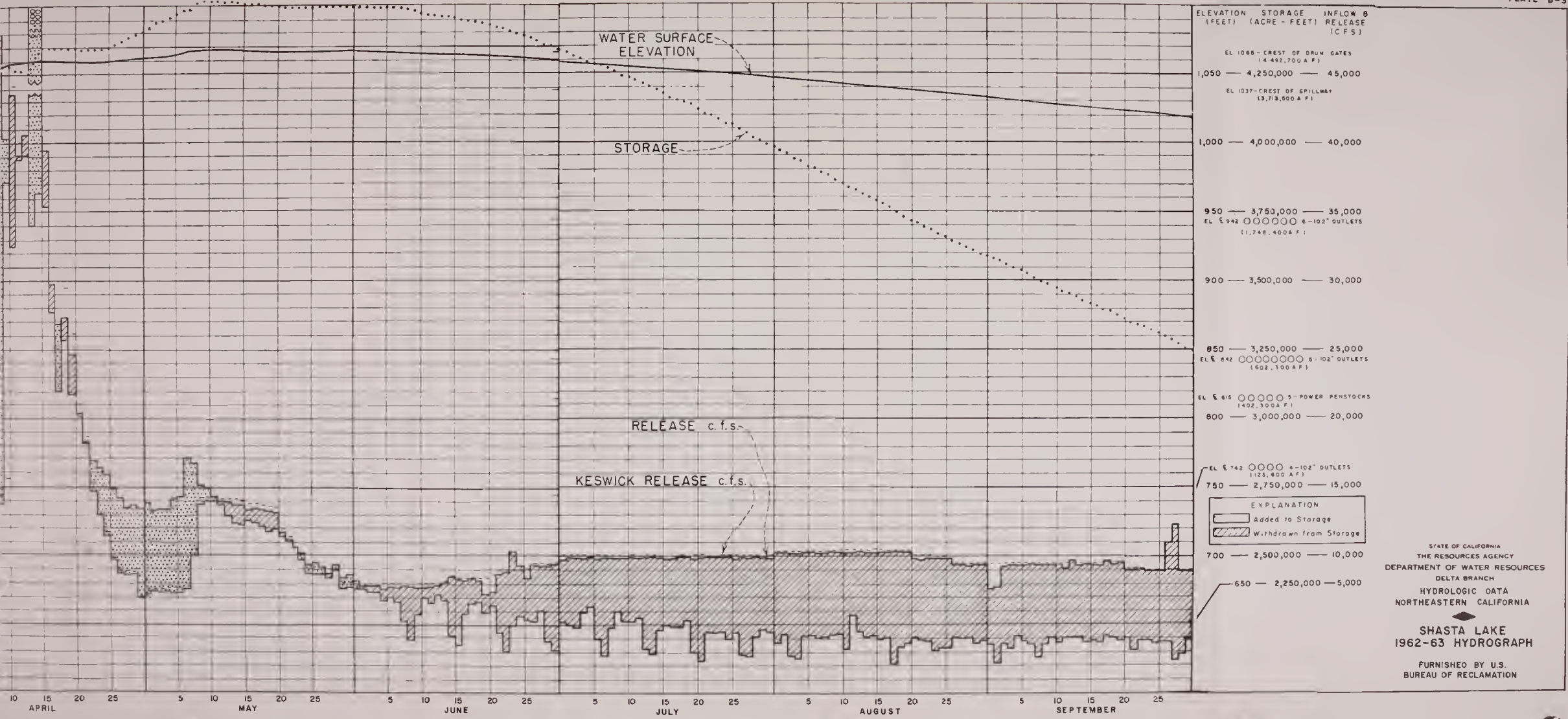
800 — 3,000,000 — 20,000
 EL. 815 0 0 0 0 0 5-POWER PENSTOCKS (402,500 A.F.)

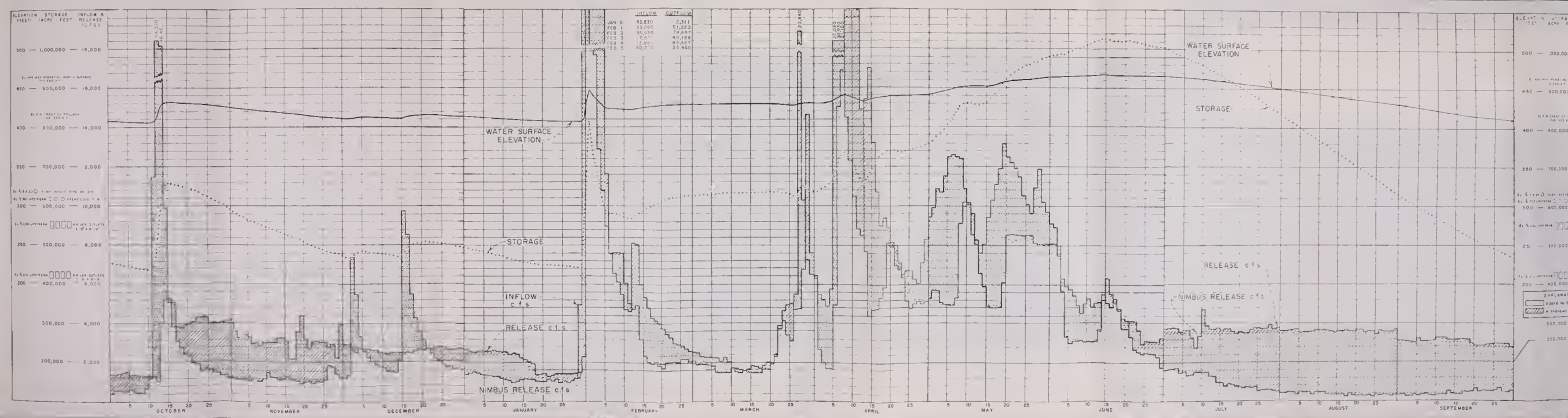
750 — 2,750,000 — 15,000
 EL. 742 0 0 0 0 0 4-102" OUTLETS (125,900 A.F.)

700 — 2,500,000 — 10,000

650 — 2,250,000 — 5,000







ELEVATION (FEET) STORAGE (ACRE - FEET) INFLOW & RELEASE (C.F.S.)

500 — 1,000,000 — 18,000

EL 455 MAX OPERATING WATER SURFACE (1,010,294 A.F.)

450 — 900,000 — 16,000

EL 418 CREST OF SPILLWAY (531,333 A.F.)

400 — 800,000 — 14,000

350 — 700,000 — 12,000

EL 316 20" PUMP INTAKE PIPE 84" DIA

EL 307 UPSTREAM 3 PENSTOCKS 15'-8" I.D.

300 — 500,000 — 10,000

EL 280 UPSTREAM 4 RIVER OUTLETS 5'-0" x 9'-0"

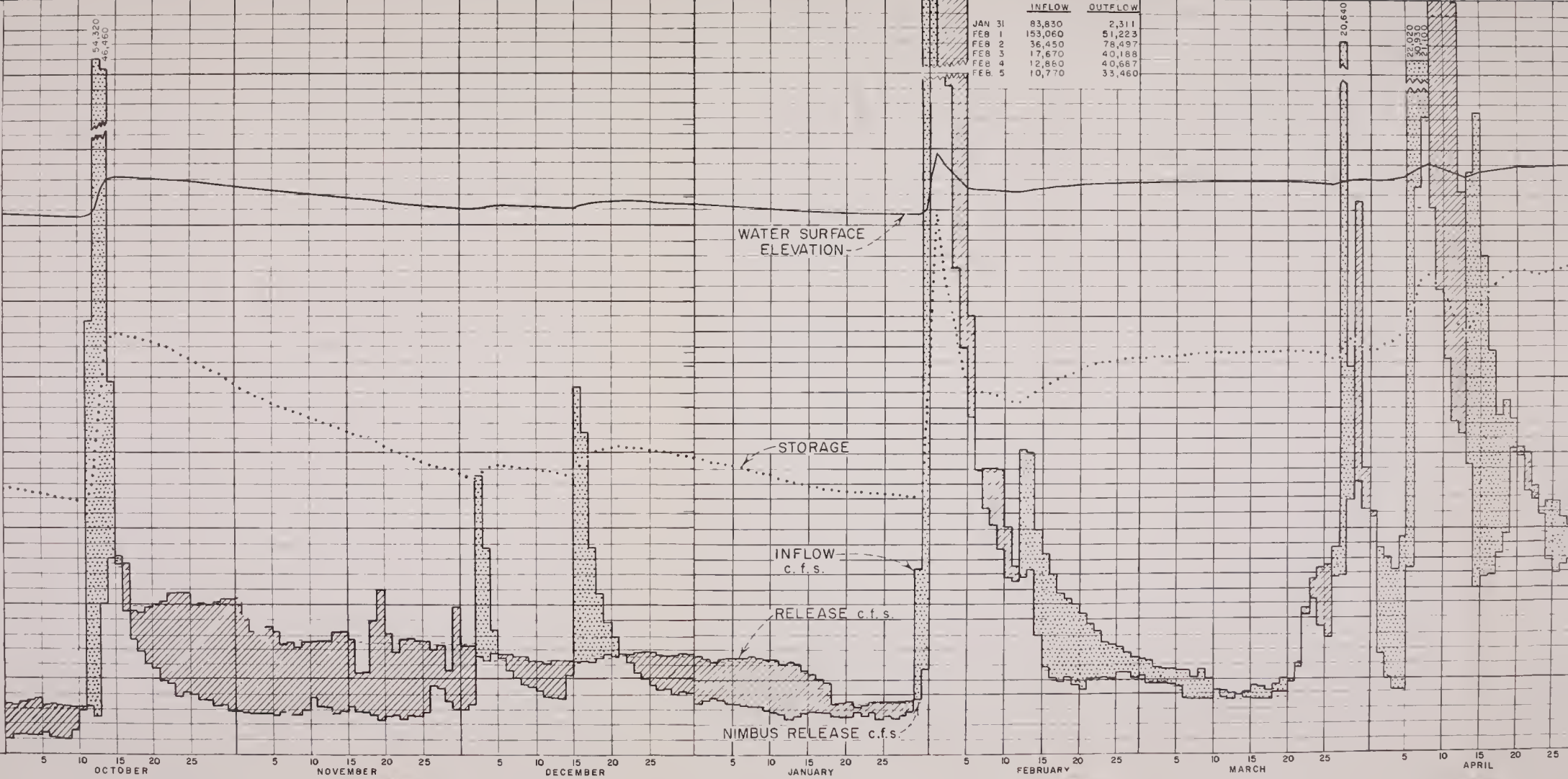
250 — 500,000 — 8,000

EL 210 UPSTREAM 4 RIVER OUTLETS 5'-0" x 9'-0"

200 — 400,000 — 6,000

300,000 — 4,000

200,000 — 2,000



	INFLOW	OUTFLOW
JAN 31	83,830	2,311
FEB 1	153,060	51,223
FEB 2	36,450	78,497
FEB 3	17,670	40,188
FEB 4	12,860	40,667
FEB 5	10,770	33,460

WATER SURFACE ELEVATION

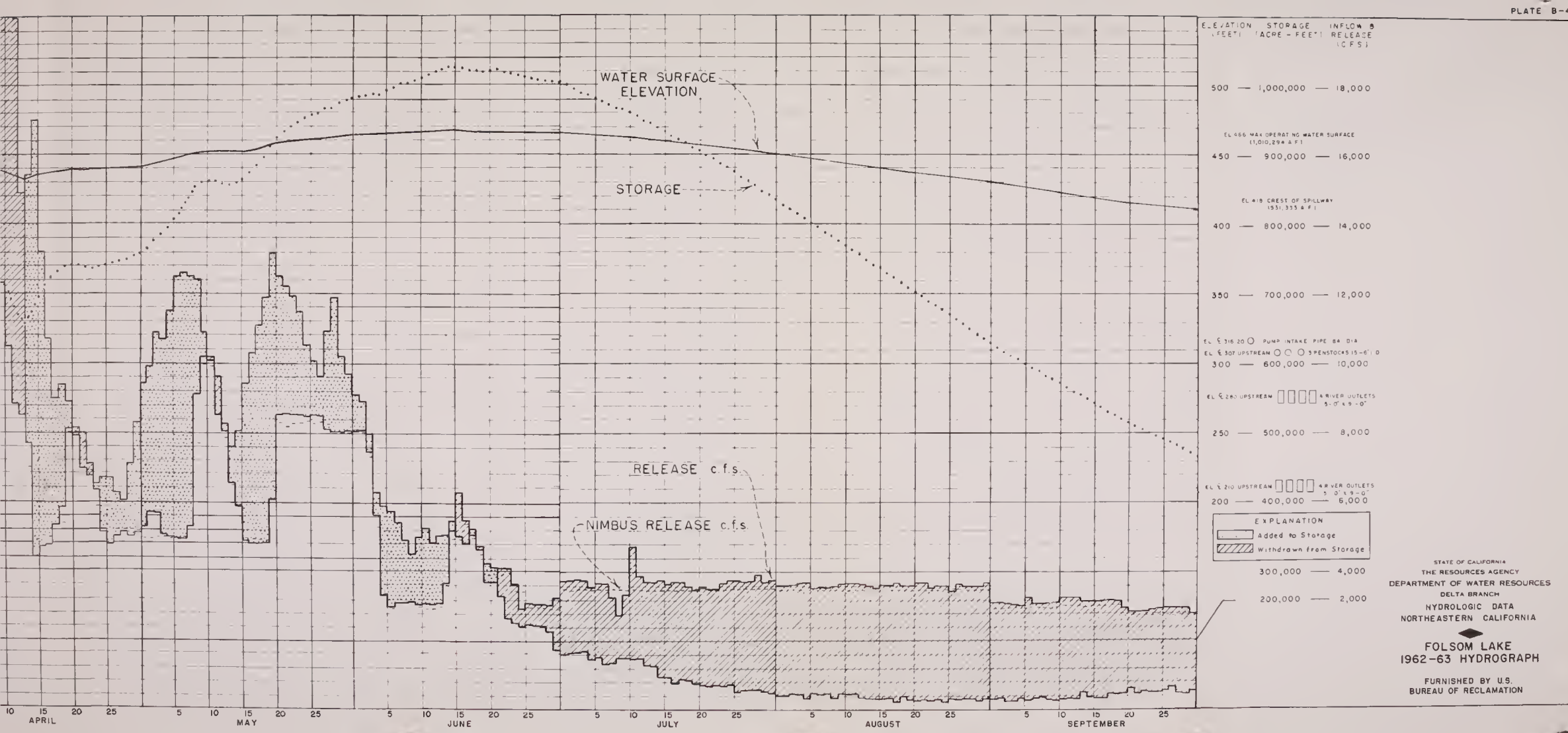
STORAGE

INFLOW c.f.s.

RELEASE c.f.s.

NIMBUS RELEASE c.f.s.

OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY MARCH APRIL



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**FOLSOM LAKE
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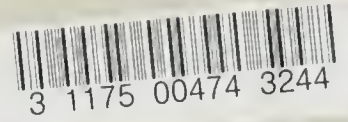
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